

COMMITTEE ON ETHICS

EMPLOYEE POST-TRAVEL DISCLOSURE FORM Original Amendment

This form is for disclosing the receipt of travel expenses from private sources for travel taken in connection with official duties. This form does not eliminate the need to report privately-funded travel on the annual *Financial Disclosure Statements* of those employees required to file them. In accordance with House Rule 25, clause 5, **you must complete this form and file it with the Clerk of the House by email at gifttravelreports@mail.house.gov, within 15 days after travel is completed.** Please **do not** file this form with the Committee on Ethics.

NOTE: Willful or knowing misrepresentations on this form may be subject to criminal prosecution pursuant to 18 U.S.C. § 1001.

1. Name of Traveler: Jacqueline Bossman
2. a. Name of Accompanying Relative: _____ **OR** None
b. Relationship to Traveler: Spouse Child Other (specify): _____
3. a. Dates: Departure: August 5, 2024 Return: August 8, 2024
b. Dates at Personal Expense, if any: _____ **OR** None
4. Departure City: Great Falls, MT Destination: Stanford, CA Return City: Washington, DC
5. Sponsor(s), Who Paid for the Trip: Stanford Institute for Human-Centered Artificial Intelligence
6. Describe Meetings and Events Attended: Educational seminars from experts in the field of AI
One war game simulation and some tech industry events.
7. Attached to this form are **each** of the following, *signify that each item is attached by checking the corresponding box*:
 - a. a completed *Sponsor Post-Travel Disclosure Form*;
 - b. the *Primary Trip Sponsor Form* completed by the trip sponsor **prior** to the trip, **including all** attachments **and** the *Additional Sponsor Form(s)*;
 - c. page 2 of the completed *Traveler Form* submitted by the employee; **and**
 - d. the letter from the Committee on Ethics approving my participation on this trip.
8. a. I represent that I participated in each of the activities reflected in the attached sponsor's agenda. *Signify statement is true by checking the box.*
b. If not, explain: _____

I certify that the information contained on this form is true, complete, and correct to the best of my knowledge.

Signature of Traveler: _____

Date: 08/23/2024

I authorized this travel in advance. I have determined that all of the expenses listed on the attached *Sponsor Post-Travel Disclosure Form* were necessary and that the travel was in connection with the employee's official duties and would not create the appearance that the employee is using public office for private gain.

Name of Supervising Member: Bryan Steil

Date: 08/23/2024

Signature of Supervising Member: _____

COMMITTEE ON ETHICS

SPONSOR POST-TRAVEL DISCLOSURE FORM

Original Amendment

This form must be completed by an officer of any organization that served as the primary trip sponsor in providing travel expenses or reimbursement for travel expenses to House Members, officers, or employees under House Rule 25, clause 5. **A completed copy of the form must be provided to each House Member, officer, or employee who participated in the trip within 10 days of their return.** You must answer all questions, and check all boxes, on this form for your submission to comply with House Rules and the Committee's Travel Regulations. Failure to comply with this requirement may result in the denial of future requests to sponsor trips and/or subject the current traveler to disciplinary action or a requirement to repay the trip expenses.

NOTE: Willful or knowing misrepresentations on this form may be subject to criminal prosecution pursuant to 18 U.S.C. § 1001.

1. Sponsor(s) who paid or provided in-kind support for the trip: Stanford Institute for Human-Centered Artificial Intelligence

2. Travel Destination(s): Stanford University, Stanford, CA

3. Date of Departure: 8/5/24 Date of Return: 8/8/24

4. Name(s) of Traveler(s): Jackie Bossman

Note: You may list more than one traveler on a form only if **all** information is **identical** for each person listed.

5. **Actual amount** of expenses paid on behalf of, or reimbursed to, each individual named in Question 4:

	Total Transportation Expenses	Total Lodging Expenses	Total Meal Expenses	Total Other Expenses (dollar amount per item and description)
Traveler	\$897.95 (RT economy airfare) \$117.90 (ground transportation)	\$735 3 nights x \$245 per night	\$249: 2 x \$69 per diem rate & 2 x \$55.50 travel days	
Accompanying Family Member				

6. All expenses connected to the trip were for actual costs incurred and not a *per diem* or lump sum payment. Signify statement is true by checking box.

I certify that the information contained in this form is true, complete, and correct to the best of my knowledge.

Signature:  Date: 8/15/2023

Name: Russell Wald Title: Deputy Director

Organization: Stanford University

I am an officer of the above-named organization. Signify statement is true by checking box.

Address: 353 Jane Stanford Way, Stanford, CA 94305

Telephone: 650-850-9034 Email: rwald@stanford.edu

Committee staff may contact the above-named individual if additional information is required.

If you have questions regarding your completion of this form, please contact the Committee on Ethics at 202-225-7103.

COMMITTEE ON ETHICS

TRAVELER FORM

This form should be completed by House Members, officers, or employees seeking Committee approval of privately-sponsored travel or reimbursement for travel under House Rule 25, clause 5. The completed form should be submitted directly to the Committee by each invited House Member, officer, or employee, together with the completed and signed trip sponsor form(s) and any attachments. A copy of this form, minus this initial page, will be made available for public inspection.

This form and any attachments may be submitted at 1015 Longworth House Office Building or travel.requests@mail.house.gov.

Your completed request must be submitted to the Committee no less than 30 days before your proposed departure date. Absent exceptional circumstances, permission will not be granted for requests received less than 30 days before the trip commences. **You must receive explicit approval from the Committee before you depart on this trip.**

Name of Traveler: Jacqueline (Jackie) Bossman

NOTE: Willful or knowing misrepresentations on this form may be subject to criminal prosecution pursuant to 18 U.S.C. § 1001.

I certify that the information contained on both pages of this form is true, complete, and correct to the best of my knowledge.

Signature: 

Name of Signatory (if other than traveler): _____

For Staff (name of employing Member or Committee): Committee on House Administration

Office Address: 1309 Longworth House Office Building, Washington, D.C. 20515

Telephone Number: 202-225-82811

Email Address of Contact Person: Kristen.monterroso@mail.house.gov

Check this box if the sponsoring entity is a media outlet, the purpose of the trip is to make a media appearance sponsored by that entity, and these forms are being submitted to the Committee less than 30 days before the trip departure date.

NOTE: You must complete all of the contact information fields above, as Committee staff may need to contact you if additional information is required.

KEEP A COPY OF THIS FORM. Page 2 (but not this page) must be submitted to the Clerk as part of the post-travel disclosure required by House Rule 25. Travel Regulation § 404(d) also requires you to keep a copy of all request forms and supporting paperwork for three subsequent Congresses from the date of travel.

If there are any questions regarding this form, please contact the Committee on Ethics at 202-225-7103 or via email: travel.requests@mail.house.gov.

COMMITTEE ON ETHICS

TRAVELER FORM

1. Name of Traveler: Jacqueline (Jackie) Bossman
2. Sponsor(s) who will be paying or providing in-kind support for the trip: Stanford University
3. City and State **OR** Foreign Country of Travel: Stanford, CA
4. a. Date of Departure: August 5, 2024 Date of Return: August 8, 2024
b. Yes No Will you be extending the trip at your personal expense?
If yes, list dates at personal expense: _____
5. a. Yes No Will you be accompanied by a family member at the sponsor's expense? **If yes:**
(1) Name of Accompanying Family Member: _____
(2) Relationship to Traveler: Spouse Child Other (specify): _____
(3) Yes No Accompanying Family Member is at least 18 years of age?
6. a. Yes No Did the trip sponsor answer "Yes" to Question 8(c) on the *Primary Trip Sponsor Form* (i.e., travel is sponsored by an entity that employs a registered federal lobbyist or a foreign agent)?
b. **If yes**, and you are requesting lodging for two nights, explain why the second night is warranted:

7. Yes No *Primary Trip Sponsor Form* is attached, including agenda, invitation, invitee list, and any other attachments and Additional Sponsor Forms.
NOTE: The agenda should show the traveler's individual schedule, including departure and arrival times and identify the specific events in which the traveler will be participating.
8. Explain why participation in the trip is connected to the traveler's individual official or representational duties. **Staff should include their job title and how the activities on the itinerary relate to their duties.**
I am a counsel on the Committee on House Administration. In my position on the legal team I lead the AI implementation portfolio in conjunction with the modernization subcommittee.

9. Yes No **Is the traveler aware of any registered federal lobbyists or foreign agents involved in planning, organizing, requesting, or arranging the trip?**
10. For staff travelers, to be completed by your employing Member:

ADVANCED AUTHORIZATION OF EMPLOYEE TRAVEL

I hereby authorize the individual named above, an employee of the U.S. House of Representatives who works under my direct supervision, to accept expenses for the trip described in this request. I have determined that the above-described travel is in connection with my employee's official duties and that acceptance of these expenses will not create the appearance that the employee is using public office for private gain.

Signature of Employing Member: _____

Date: 7/2/2024

COMMITTEE ON ETHICS

PRIMARY TRIP SPONSOR FORM

This form should be completed by private entities offering to provide travel or reimbursement for travel to House Members, officers, or employees under House Rule 25, clause 5. A completed copy of the form (and any attachments) should be provided to each invited House Member, officer, or employee, who will then forward it to the Committee together with a *Traveler Form* **at least 30 days before the start date of the trip**. The trip sponsor should *NOT* submit the form directly to the Committee. The Committee's website (ethics.house.gov) provides detailed instructions for filling out the form. The Committee will notify the House invitees directly of its decision and will not notify the trip sponsors.

NOTE: Willful or knowing misrepresentations on this form may be subject to criminal prosecution pursuant to 18 U.S.C. § 1001. Failure to comply with the Committee's Travel Regulations may also lead to the denial of permission to sponsor future trips. Signatures must comply with section 104(bb) of the Travel Regulations.

1. Sponsor who will be paying for the trip: _____

2. I represent that the trip will not be financed, in whole or in part, by a registered federal lobbyist or foreign agent. *Signify that the statement is true by checking box.*

3. **Check only one.** I represent that:

a. The primary trip sponsor has not accepted from any other source, funds intended directly or indirectly to finance any aspect of the trip; **OR**

b. The trip is arranged without regard to congressional participation and the primary trip sponsor has accepted funds only from entities that will receive a tangible benefit in exchange for those funds; **OR**

c. The primary trip sponsor has accepted funds, services, or in-kind assistance from other source(s) intended directly or indirectly to finance all or part of this trip and has enclosed disclosure forms from each of those entities.

If "c" is checked, list the names of the additional sponsors: _____

4. Provide names and titles of **ALL** House Members *and* employees you are inviting. **For each House invitee, provide an explanation of why the individual was invited** (include additional pages if necessary): _____

5. Yes No Is travel being offered to an accompanying family member of the House invitee(s)?

6. Date of Departure: _____ Date of Return: _____

7. a. City of departure: _____

b. Destination(s): _____

c. City of return: _____

8. **Check only one.** I represent that

a. The sponsor of the trip is an institution of higher education within the meaning of section 101 of the Higher Education Act of 1965; **OR**

b. The sponsor of the trip does not retain or employ a registered federal lobbyist or foreign agent; **OR**

c. The sponsor employs or retains a registered federal lobbyist or foreign agent, but the trip is for attendance at a one-day event *and* lobbyist / foreign agent involvement in planning, organizing, requesting, or arranging the trip was *de minimis* under the Committee's travel regulations.

9. **Check only one of the following.**
- a. I checked 8(a) or (b) above; **OR**
 - b. I checked 8(c) above but am not offering any lodging; **OR**
 - c. I checked 8(c) above and am offering lodging and meals for one night; **OR**
 - d. I checked 8(c) above and am offering lodging and meals for two nights. If you checked this box, explain why the second night of lodging is warranted. _____
-

10. Attached is a detailed agenda of the activities House invitees will be participating in during the travel (i.e., an hourly description of planned activities for trip invitees). *Indicate agenda is attached by checking box.*

11. **Check only one of the following.**
- a. I represent that a registered federal lobbyist or foreign agent will not accompany House Members or employees on any segment of the trip. *Signify the statement is true by clicking the box; OR*
 - b. *Not Applicable.* Trip sponsor is a U.S. institution of higher education.

12. For *each* sponsor required to submit a sponsor form, describe the sponsor’s interest in the subject matter of the trip **and** its role in organizing and/or conducting the trip:

Stanford University is the sole sponsor of the trip, a 501C(3) and an institution of higher education. Stanford seeks to promote the public welfare by exercising an influence on behalf of humanity through rigorous scholarship. Stanford is providing the faculty and expertise who will be teaching the House invitees on matters of artificial intelligence in various domains, including but not limited to healthcare, education, finance, and more. Through briefings and learning engagements, Stanford faculty will provide congressional staff with critical thinking skills related to tech policy

13. **Answer parts a and b. Answer part c if necessary:**
- a. Mode of travel: Air Rail Bus Car Other (specify: _____)
 - b. Class of travel: Coach Business First Charter Other (specify: _____)
 - c. If travel will be first class, or by chartered or private aircraft, explain why such travel is warranted:

-

14. I represent that the expenditures related to local area travel during the trip will be unrelated to personal or recreational activities of the invitee(s). *Signify that the statement is true by checking box.*

15. **Check only one.** I represent that either:
- a. The trip involves an event that is arranged or organized *without regard* to congressional participation and that meals provided to congressional participants are similar to those provided to or purchased by other event attendees; **OR**
 - b. The trip involves events that are arranged specifically *with regard* to congressional participation. If “b” is checked:
 - 1) Detail the cost *per day* of meals (approximate cost may be provided): _____
 - 2) Provide the reason for selecting the location of the event or trip: _____
-

16. Name, nightly cost, and reasons for selecting each hotel or other lodging facility:

Hotel Name: _____ City: _____ Cost Per Night: _____
 Reason(s) for Selecting: _____

Hotel Name: _____ City: _____ Cost Per Night: _____
 Reason(s) for Selecting: _____

Hotel Name: _____ City: _____ Cost Per Night: _____
 Reason(s) for Selecting: _____

17. I represent that all expenses connected to the trip will be for actual costs incurred and not a per diem or lump sum payment. *Signify that the statement is true by checking the box.*

18. **Total Expenses for each Participant:**

<input type="checkbox"/> Actual Amounts <input type="checkbox"/> Good Faith Estimates	Total Transportation Expenses per Participant	Total Lodging Expenses per Participant	Total Meal Expenses per Participant
For each Member, Officer, or Employee			
For each Accompanying Family Member			


	Other Expenses (dollar amount per item)	Identify Specific Nature of "Other" Expenses (e.g., taxi, parking, registration fee, etc.)
For each Member, Officer, or Employee		
For each Accompanying Family Member		

19. **Check only one:**

- a. I certify that I am an officer of the organization listed below; **OR**
- b. *Not Applicable.* Trip sponsor is an individual or a U.S. institution of higher education.

20. **I certify by my signature that**

- a. **I read and understand the Committee's Travel Regulations;**
- b. **I am not a registered federal lobbyist or registered foreign agent; and**
- c. **The information on this form is true, complete, and correct to the best of my knowledge.**

Signature: _____  _____ Date: _____
 Name: _____ Title: _____
 Organization: _____
 Address: _____
 Email: _____ Telephone: _____

If there are questions regarding this form, please contact the Committee on Ethics at 202-225-7103 or travel.requests@mail.house.gov.

Michael Guest, Mississippi
Chairman
Susan Wild, Pennsylvania
Ranking Member

David P. Joyce, Ohio
John H. Rutherford, Florida
Andrew R. Garbarino, New York
Michelle Fischbach, Minnesota

Veronica Escobar, Texas
Mark DeSaulnier, California
Deborah K. Ross, North Carolina
Glenn F. Ivey, Maryland



ONE HUNDRED EIGHTEENTH CONGRESS

U.S. House of Representatives

COMMITTEE ON ETHICS

Thomas A. Rust
Staff Director and Chief Counsel

Keelie Broom
Counsel to the Chairman

David Arrojo
Counsel to the Ranking Member

1015 Longworth House Office Building
Washington, D.C. 20515-6328
Telephone: (202) 225-7103
Facsimile: (202) 225-7392

July 29, 2024

Ms. Jacqueline Bossman
Committee on House Administration
1309 Longworth House Office Building
Washington, DC 20515

Dear Ms. Bossman:

Pursuant to House Rule 25, clause 5(d)(2), the Committee on Ethics hereby approves your proposed trip to Palo Alto, California, scheduled for August 5 to 8, 2024, sponsored by Stanford University.

You must complete an Employee Post-Travel Disclosure Form (which your employing Member must also sign) and file it, together with a Sponsor Post-Travel Disclosure Form completed by the trip sponsor, with the Clerk of the House within 15 days after your return from travel. As part of that filing, you are also required to attach a copy of this letter and both the Traveler and Primary Trip Sponsor Forms (including attachments) you previously submitted to the Committee in seeking pre-approval for this trip. If you are required to file an annual Financial Disclosure Statement, you must also report all travel expenses totaling more than \$480 from a single source on the "Travel" schedule of your annual Financial Disclosure Statement covering this calendar year. Finally, Travel Regulation § 404(d) also requires you to keep a copy of all request forms and supporting information provided to the Committee for three subsequent Congresses from the date of travel.

If you have any further questions, please contact the Committee's Office of Advice and Education at extension 5-7103.

Sincerely,

Michael Guest
Chairman

Susan Wild
Ranking Member

MG/SW:kjf

2024 STANFORD HAI AI BOOT CAMP FINAL HOUSE PARTICIPANT LIST (08/14/2024)

Participants:

Last Name	First Name	Title	Office	Chamber
Adams	Nicholas	Legislative Director	Rep. Laurel Lee	House
Artz	Cyrus	Senior Policy Advisor	Office of Speaker Mike Johnson	House
Bolender	Savannah	Senior Policy Advisor	Rep. Pat Fallon	House
Bossman	Jackie	Counsel	Committee on House Administration	House
Brossi	Jordan	Health Policy Advisor	Rep. Anna G. Eshoo	House
Devlin	Meagan	Senior Professional Staff	House Committee on Homeland Security	House
Hodge	Matt	Chief of Staff	Rep. Dan Crenshaw (TX02)	House
Kuebler	Sam	Legislative Director	Rep. Maria Elvira Salazar (FL-27)	House
Mishkin Gardner	Kelsey	Deputy Chief of Staff	Rep. Raul M. Grijalva, Ranking Member Natural Resources Committee	House
Parker	Wyndee	National Security Advisor	Democratic Leader Jeffries	House
Sawaged	Maryana	Legislative Assistant	Rep. Aguilar (CA-33)	House
Sheikh	Aneeb	Legislative Assistant	Congresswoman Ayanna Pressley	House
Sutton	Jared	Professional Staff	House Appropriations Committee, Transportation-HUD Subcommittee	House
Thompson	Jamie	Senior Legislative Assistant	Congressman Adam Schiff	House
West	Daniel	Legislative Director	Rep. Clay Higgins	House
Yukawa	Annaliese	Senior Policy Advisor	Rep. Suzan DelBene	House



Stanford University
Human-Centered
Artificial Intelligence

Stanford HAI Congressional Boot Camp on Artificial Intelligence Syllabus [DRAFT]

August 5-7, 2024

Course Description:

Emerging digital technologies—in particular artificial intelligence (AI)—are among the most consequential forces of the 21st century. They are transforming economies, challenging legal and political norms, and reconfiguring society. Governments attempting to navigate this era must adapt regulatory regimes, social safety nets, fiscal policies, taxation, and foreign affairs as digital technologies continue to reshape labor markets, business, the distribution of economic rewards, and the global balance of power.

Congressional staff play a key role in shaping and developing policy on critical technology areas such as AI, yet rapid advancements in AI make it challenging for many to keep up with the quickly evolving field. The [Stanford Institute for Human-Centered AI \(HAI\)](#) designed this boot camp specifically for congressional staff to explore the latest in AI developments, equipping participants with the comprehensive knowledge needed to think critically about regulating and governing this emerging technology.

AI is not solely a technical matter, though it is easy for policy analysts and others to get lost in the technical details. Understanding the impact of AI on society is a multifaceted enterprise that requires expertise from computer science, economics, law, medicine, political science, psychology, and a host of other disciplines. To that end, the boot camp draws upon the knowledge of multidisciplinary AI experts in academia, as well as leaders from civil society and industry.

The bicameral, bipartisan Boot Camp consists of many sessions unpacking how to mitigate AI risk, understanding and regulating foundation models, and the impact of AI on healthcare, education, climate, and online harm. It also includes an interactive, three-hour National Security Council simulation surrounding the deployment of AI in a crisis situation. Each session will feature world-class scholars from Stanford University, leaders from Silicon Valley, and pioneers from civil society organizations. We hope all participants will leave the boot camp with the conceptual framework needed to address the emerging technology landscape today and better anticipate the challenges of tomorrow.

MONDAY, AUGUST 5

Time	Agenda Item
7:01 am ET	<i>Flight Departure from D.C. (UA 1927, IAD→SFO)</i>
9:48 am	<i>Flight Arrival to SFO</i>
9:48-11:00 am	<i>Travel to hotel and campus</i>
11:00 am	<i>Program Commences</i>
11:00-11:15 am	<p>Welcome & Introduction: <i>Session Description: Stanford HAI staff will welcome congressional staffers to campus and provide an overview of why the boot camp was created and what Stanford HAI hopes for participants to gain.</i></p> <p>Speaker:</p> <ul style="list-style-type: none"> • Russell Wald, Deputy Director, Stanford HAI
11:15-12:15 pm	<p>Session 1: Mapping the AI Landscape</p> <ul style="list-style-type: none"> • <i>Session Description: This session will cover the basic concepts of AI, including compute power, neural networks, narrow vs. general AI, gradient descent, and more. It will also provide a bird’s-eye view of the AI landscape, covering different AI techniques such as deep learning, computer vision, natural language processing, and supervised and unsupervised learning. Participants will walk away with a greater understanding of the primary aspects of AI and be better prepared for the boot camp.</i> <p>Speaker:</p> <ul style="list-style-type: none"> • Peter Norvig, Distinguished Education Fellow, Stanford HAI
12:15-1:15 pm	<p>Session 2: Mitigating Risk: Implementing Safe & Robust AI</p> <p><i>Session Description: The consequences of deploying robust AI and decision-making technologies in safety-critical systems such as driverless vehicles and autonomous aircraft are enormous. Challenges for AI developers range from biased inputs, constantly evolving conditions, and explainability issues, among others. This session will discuss the obstacles developers face as well as the difficult—and often politically fraught—decisions they make around operational efficiency and how they define acceptable risk parameters.</i></p>

	<p>Speakers:</p> <ul style="list-style-type: none"> • Mykel Kochenderfer, Associate Professor of Aeronautics and Astronautics and, by courtesy, of Computer Science, Stanford University; Faculty Affiliate, Stanford HAI • Sanmi Koyejo, Assistant Professor of Computer Science, Stanford University; Faculty Affiliate, Stanford HAI
1:15-1:30 pm	Break
1:30-2:30 pm	<p>Session 3: <i>The Fuel of AI: Data (and Its Perils)</i> <i>Session Description: Contemporary AI technologies run on data, but AI developers face significant obstacles in acquiring and cleaning data. In addition, developers must do their best to ensure data’s inherent biases (and their non-obvious proxies) are accounted for in their AI systems. Moreover, different social values around privacy, data ownership, and data creation impact what AI technologies are possible. This session will dive into how the data policies developed today will shape the technologies of tomorrow.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> • Jennifer King, Privacy & Data Policy Fellow, Stanford HAI, <i>invited</i> • Julian Nyarko, Professor of Law, Stanford University; Faculty Affiliate, Stanford HAI
2:30-3:30 pm	<p>Session 4: <i>The Role of Compute</i> <i>Session Description: This session highlights how computational power directly influences the capabilities and efficiency of AI systems, impacting everything from machine learning model training times to the sophistication of AI applications. Policymakers are introduced to key concepts such as the high-performance computing chips, trade-offs between computational demands and energy consumption, and the strategic importance of compute in national competitiveness in AI.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> • Kunle Olukotun, Cadence Design Systems Professor of Electrical Engineering and of Computer Science, Stanford University; Faculty Affiliate, Stanford HAI • H.-S. Philip Wong, Willard R. and Inez Kerr Bell Professor in the School of Engineering, Stanford University, <i>invited</i>

3:30-3:45 pm	Break
3:45-4:45 pm	<p>Session 5: AI, Automation, and the Future of Work</p> <p><i>Session Description: AI and automation will have a rippling effect on today’s workforce and the future of work. Mainstream narratives forecast AI will displace workers and funnel profits up to a select few. Alternatively, AI has the potential to augment and supercharge labor, ensuring the benefits of AI are spread and enjoyed widely. This session dives into deeper detail regarding what exactly we should expect as AI and automation integrate into the economy and the subsequent consequences for the workforce. The panelists will also discuss how policies can reshape and guide what the future holds.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> • Erik Brynjolfsson, Director, Stanford Digital Economy Lab; Jerry Yang and Akiko Yamazaki Professor and Senior Fellow, Stanford HAI; Ralph Landau Senior Fellow, Stanford Institute for Economic Policy Research
4:45-5:30 pm	<p>Session 6: Understanding the Basics of Foundation Models</p> <p><i>Session Description: Recently, a paradigm for building AI systems has emerged: train one model on a huge amount of data and adapt it to numerous applications. We have deemed such a model a foundation model (such as ChatGPT). This session unpacks how foundation models were created and deployed, the requirements to build one, expected and unexpected consequences of these models, and other hot topics surrounding the use of large AI models.</i></p> <p>Speaker:</p> <ul style="list-style-type: none"> • Percy Liang, Associate Professor of Computer Science, Stanford University; Director, Stanford Center for Research on Foundation Models; Senior Fellow, Stanford HAI
5:30-7:00 pm	<p>Dinner: Fireside Chat Cutting Edge: AI Developments that are Steering the Future</p> <p><i>Session Description: The rapid advancements in AI in recent years have shocked the world. From models generating realistic images from scratch to ambient technologies that enhance the human condition, the possibilities of what AI can do for humanity are endless. Understanding today’s cutting-edge AI will help steer tomorrow’s innovation. This session will dive into what is on the horizon of AI advancements and how these technologies can be leveraged to benefit society.</i></p>

	<p>Speakers:</p> <ul style="list-style-type: none">● Fei-Fei Li, Sequoia Professor of Computer Science, Stanford University; Denning Co-Director, Stanford HAI● James Manyika, Vice Chair, National Artificial Intelligence Advisory Committee; Advisory Council Member, Stanford HAI; Senior Vice President, Research, Technology & Society, Google
7:00-7:30 pm	<i>Bus pickup at Gates → hotel</i>

TUESDAY, AUGUST 6

Time	Agenda Item
8:15 am	<i>Bus pickup at hotel → Gates</i>
8:45 am	<i>Check-In Open</i>
8:45-9:00 am	<p>Breakfast/Debrief <i>Session Description: Stanford HAI staff will lead a discussion debriefing the key concepts that staffers learned in earlier sessions. They will also offer a preview of Day 2 and leave ample time for questions.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> • Daniel Zhang, Senior Manager for Policy Initiatives, Stanford HAI • Drew Spence, Policy Program Manager, Stanford HAI
9:00-10:00 am	<p>Session 1: <i>Revolutionizing the Classroom: How AI Is Advancing Education</i> <i>Session Description: AI has the potential to dramatically improve education. From teacher support to personalized student engagement, AI could democratize extraordinary teaching and learning. But dangers and concerns loom. Collecting data from children raises privacy concerns, and current inequities in the education system might be exacerbated by the introduction of AI. This session will look into how AI can be leveraged to improve the education system without causing harm to teachers and students.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> • Isabelle Hau, Associate Professor of Computer Science, Stanford University; Faculty Affiliate, Stanford HAI • Dan Schwartz, I. James Quillen Dean and Nomellini & Olivier Professor of Educational Technology
10:00-10:15 am	<i>Break</i>
10:15-11:15 am	<p>Session 2: <i>Transforming Healthcare Through Innovation</i> <i>Session Description: Some of the most exciting advances of this technological wave are focused on healthcare: faster and better diagnoses, enhanced therapies, increased hospital standards which reduce patient harms, and protein folding which has the potential to cure debilitating diseases. Healthcare is on the cusp of a revolution that will advance human well-being. At the same time, the</i></p>

	<p><i>United States faces an incredible shortage of qualified healthcare workers, lacks proper evaluation of medical devices, and struggles with unclear liability risk/clinician responsibility. These mounting challenges raise the question, can AI help “save” the U.S. healthcare system? This session will highlight the coming changes in healthcare, the opportunities and risks AI presents, and how policies can ensure safe and robust health systems.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> ● Alyce Adams, Medicine Innovation Professor, Professor of Epidemiology and Population Health, of Health Policy, and, by courtesy, of Pediatrics, Stanford University, <i>invited</i> ● Curtis Langlotz, Professor of Radiology and Biomedical Informatics, Stanford University; Director, Center for Artificial Intelligence in Medicine and Imaging (AIMI); Associate Director, Stanford HAI ● Michelle Mello, Professor of Law, Stanford University; Faculty Affiliate, Stanford HAI
11:15-12:15 pm	<p>Session 3: <i>The Neuroscience of Addiction and Implications for an AI-Powered Digital World</i></p> <p><i>Session Description: This is a time of unprecedented access to high-reward, high-dopamine stimuli: drugs, food, news, gambling, shopping, gaming, texting, Facebooking, Instagramming, YouTubing, tweeting . . . The increased numbers, variety, and potency are staggering, exacerbated by the integration of AI on those platforms. As such, we’ve all become vulnerable to compulsive overconsumption. Yet, it is possible to find contentment and connectedness by keeping dopamine in check. This session will provide a practical, science-informed approach to addressing the impact of AI on addiction and the compulsive overconsumption of everything from food, to sex, to video games.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> ● Anna Lembke, Professor of Psychiatry and Behavioral Science, Stanford School of Medicine; Chief of the Stanford Addiction Medicine Dual Diagnosis Clinic, <i>invited</i>
12:15-1:00 pm	Lunch Break
1:00-2:00 pm	<p>Session 4: <i>Modernizing a Mammoth: Use-Cases of Public Sector AI</i></p> <p><i>Session Description: The U.S. government is in great need of a technological upgrade. From streamlining administrative processes to providing personalized</i></p>

	<p>services to constituents, there is ample opportunity for AI to help government agencies achieve their missions. However, integrating AI into the government is not as easy as obtaining and deploying the technology. Talent, infrastructure, public trust, and morale play equally important roles in ensuring the successful modernization of government. This session will dive into current use-cases of AI in government, the challenges and successes of these cases, and how to improve the integration of new technologies that will help the government serve its citizens.</p> <p>Speakers:</p> <ul style="list-style-type: none"> • Daniel Ho, William Benjamin Scott and Luna M. Scott Professor of Law, Stanford Law School; Director, Stanford Regulation, Evaluation, and Governance Lab; Faculty Associate Director, Stanford HAI
2:00 pm	Bus pickup at Gates → hotel
4:30 pm	Bus pickup at hotel → Hoover
4:30-5:30 pm	<p>Session 5: <i>The Role of Business: Policy Implications of Industry Leadership in AI</i> <i>Session Description: Silicon Valley, which is home to venture capital, startups, and leading tech firms, is a global center of tech innovation. From the startup lab to the boardrooms of major companies, this session will bring together startup founders and tech executives to map out Silicon Valley’s innovation ecosystem, discuss its vibrancy, and critically think about the consequences of AI developments on society. Panelists will offer their perspectives on starting, funding, and running successful companies as well as providing counsel to companies on ensuring ethical business practices.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> • Rachel Gillum, Vice President of Ethical & Humane Use of Technology, Salesforce • Navrina Singh, CEO and Founder, CredoAI • TBD
5:30-6:30 pm	Reception
6:30-8:00 pm	<p>Keynote Dinner: <i>Session Description: The introduction of AI into society has had ripple effects on governments worldwide. Disinformation spreading on digital platforms—further amplified by AI—has had real-world consequences on democracy. Additionally,</i></p>

	<p><i>authoritarian countries are leveraging AI to further surveil and control their populations. The future of democracy hangs in the balance of making sure AI is used to affirm democratic systems and reinforce norms and values for the betterment of humanity. This dinner discussion will unpack the complexities of AI as it intertwines with different governments and considers how to ensure democracy prevails in a digital world.</i></p> <p>Speakers:</p> <ul style="list-style-type: none">• Fei-Fei Li, Sequoia Professor of Computer Science, Stanford University; Denning Co-Director, Stanford HAI• Mariano-Florentino (Tino) Cuéllar, President of the Carnegie Endowment for International Peace; Visiting Scholar, Stanford University
8:00 pm	<i>Bus pickup at Hoover → hotel</i>

WEDNESDAY, AUGUST 7

Time	Agenda Item
7:45 am	<i>Bus pickup at hotel → Gates</i>
8:15 am	<i>Check-In Open</i>
8:15-8:30 am	<p>Breakfast/Debrief <i>Session Description: Stanford HAI staff will lead a discussion debriefing the key concepts that staffers learned in earlier sessions. They will also offer a preview of Day 2 and leave ample time for questions.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> • Daniel Zhang, Senior Manager for Policy Initiatives, Stanford HAI • Drew Spence, Policy Program Manager, Stanford HAI
8:30-9:30 am	<p>Session 1: <i>Digital Dupes: How AI is Distorting Truth Through Synthetic Media and Deepfakes</i></p> <p><i>Session Description: The rapid spread of disinformation has challenged societies and deepened mistrust, threatening to erode democratic values. Furthermore, synthetic media from the advent of generative AI has created deceptively realistic images and videos—known as deepfakes—that are indistinguishable from reality. These developments are leading to an information crisis where consumers are becoming less certain of the veracity of the content they encounter. This session will dive into how AI has changed the information economy and how policy can help protect people from fake content.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> • Riana Pfefferkorn, Research Fellow, Stanford HAI • Michael Tomz, William Bennett Munro Professor of Political Science, Stanford University; Senior Fellow, Stanford Institute for Economic Policy Research; Faculty Affiliate, Stanford HAI, <i>invited</i>
9:30-10:30 am	<p>Session 2: <i>The Possibilities and Pitfalls of AI and Climate Sustainability</i></p> <p><i>Session Description: The risks and threats stemming from global climate change are becoming a growing issue for policymakers. At the same time, the rapid advancements of AI have presented possible opportunities to use this technology to help tackle our greatest climate challenges, from achieving net-zero emissions to preparing for extreme weather events. Conversely, AI continues to increasingly</i></p>

	<p><i>rely on compute power, which is an energy-intensive resource and contributes to the emission of CO2. As a result, there is mounting concern around AI's environmental impact, drawing attention to the cost-benefit analysis of AI advancements. This session will unpack how AI can be used to help confront climate change while also better understanding AI's own ripple effects in the environment.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> ● Marshall Burke, Associate Professor of Global Environmental Policy, Stanford University, <i>invited</i> ● Ram Rajagopal, Associate Professor of Civil and Environmental Engineering, Stanford University ● David Loebell, Benjamin M. Page Professor of Earth System Science, Stanford University, <i>invited</i>
<p>10:30 am - 2:00 pm</p>	<p>Simulation: <i>AI in a National Security Crisis</i> <i>Session Description: In this 3-hour National Security Council simulation, staffers will respond to a crisis situation in the Taiwan Strait involving the potential deployment of AI for national security purposes.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> ● Harold Trinkunas, Center for International Security and Cooperation at the Freeman Spogli Institute for International Studies at Stanford University
<p>2:00-3:00 pm</p>	<p>Session 3: <i>National Security</i> <i>Session Description: Spying has never been more ubiquitous—or less understood. This crisis in intelligence education is fueling conspiracy theories and hurting intelligence policy. At the same time, AI is introducing new opportunities to strengthen U.S. intelligence capabilities, but only if decision makers understand how the U.S. intelligence community and AI technologies actually work. This session will separate fact from fiction as panelists discuss the past, present, and future of American espionage and how AI is creating an adapt-or-fail moment for U.S. intelligence agencies.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> ● Amy Ziegart, Senior Fellow, Stanford Freeman Spogli Institute for International Studies; Morris Arnold and Nona Jean Cox Senior Fellow, Hoover Institution; Associate Director, Stanford HAI

3:00-4:00 pm	<p>Stanford Robotics Lab Visit</p> <p>Speakers:</p> <ul style="list-style-type: none"> • TBD
4:00-4:15 pm	Break
4:15-5:15 pm	<p>Session 5: <i>Understanding the Governance of Foundation Models</i> <i>Session Description: Foundation models are at the center of the global discourse on AI: the emerging technological paradigm has a concrete and growing impact on the economy, policy, and society. As governments around the world explore governance initiatives regarding the ethical and responsible deployment of foundation models, this session analyzes the evolving landscape of regulations, guidelines, and best practices and provides insights into key considerations for effective governance, including transparency, accountability, and inclusivity.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> • Rishi Bommasani, Society Lead, Stanford Center for Research on Foundation Models • Daniel Zhang, Senior Manager for Policy Initiatives, Stanford HAI
5:15-7:00 pm	Closing Dinner
7:30 pm	Bus → hotel

THURSDAY, AUGUST 8

Time	Agenda Item
5:45 am	<i>Shuttle Leaves Hotel to SFO Airport</i>
8:15 am	<i>Flight Departure from San Francisco (UA 1954, SFO→IAD)</i>
4:20 pm	<i>Flight Arrival to IAD</i>

AI Congressional Bootcamp FAQ

Travel Information

Monday, August 5 7:01 am ET – 9:48 am PT	United Airlines Flight #1927 IAD to SFO
Thursday, August 7, 8:15 am PT – 4:20 pm ET	United Airlines Flight #2497 SFO to IAD

Accommodations

Hotel Citrine, a Marriott Tribute Portfolio
750 San Antonio Rd, Palo Alto, CA 94303

Check in: August 5, 2023
Check out: August 7, 2023

Who are the points of contacts for the boot camp?

- Daniel Zhang, Stanford HAI Senior Manager for Policy Initiatives, 415-347-0027
- Drew Spence, Stanford HAI Policy Program Manager, 619-301-3795

What is the dress code for the boot camp?

Smart casual (yes, jeans are acceptable!) for the duration of the boot camp except for the keynote dinner on Wednesday, August 9, where business professional is preferred.

What meals will be provided during the boot camp?

Monday, August 5: Lunch and dinner

Tuesday, August 6: Breakfast, lunch, and dinner

Wednesday, August 7: Breakfast, lunch, and dinner

What is Palo Alto weather like in August?

Palo Alto enjoys comfortable temperatures in August, with highs in the 70s and lows in the 50s. There is little to no rain or humidity. August is also wildfire season in Northern California meaning that, while it is unlikely, some outdoor programming may have to be moved indoors.

Will discussions be recorded, and will there be press at the event?

Press are not invited to the daytime panels, and discussions will not be recorded. There may be some media present at the keynote dinner and the panel titled “The Role of Business: Policy Implications of Industry Leadership in AI.”

If you are interested in speaking with the media about your experience at the boot camp and how it relates to your work on the Hill, please let Daniel or Drew know. Please also note that

all sessions will be under [Chatham House Rule](#) except for the industry session and keynote dinner.

What are the ground transportation logistics?

Drew will be at San Francisco International Airport when you arrive on August 5. We will have a shuttle bus to take the group to the hotel and another shuttle from the hotel to campus. We will have shuttles ready to transport participants to and from the hotel and campus throughout the boot camp.

Will you cover the cost of my transportation to and from the DC airports?

Unfortunately we cannot cover the cost of your Uber, Lyft, or taxi to IAD on August 7 as it does not comply with ethics rules. Covering the cost of this transportation would start the 72-hour clock, and our current programming consists of 72 full hours. This is the only expense you will need to cover. We apologize for any inconvenience. Please contact Daniel and Drew if this presents a challenge and we will find a way to best accommodate you.

Stanford Campus Map

Full interactive map can be found [here](#).

Day 1:

Gates Computer Science,
353 Jane Stanford Way

Day 2:

Gates Computer Science,
353 Jane Stanford Way

Day 3:

Gates Computer Science,
353 Jane Stanford Way





Stanford University
Human-Centered
Artificial Intelligence

Stanford HAI Congressional Boot Camp on Artificial Intelligence Syllabus [FINAL] (Updates highlighted)

August 5-7, 2024

Course Description:

Emerging digital technologies—in particular artificial intelligence (AI)—are among the most consequential forces of the 21st century. They are transforming economies, challenging legal and political norms, and reconfiguring society. Governments attempting to navigate this era must adapt regulatory regimes, social safety nets, fiscal policies, taxation, and foreign affairs as digital technologies continue to reshape labor markets, business, the distribution of economic rewards, and the global balance of power.

Congressional staff play a key role in shaping and developing policy on critical technology areas such as AI, yet rapid advancements in AI make it challenging for many to keep up with the quickly evolving field. The [Stanford Institute for Human-Centered AI \(HAI\)](#) designed this boot camp specifically for congressional staff to explore the latest in AI developments, equipping participants with the comprehensive knowledge needed to think critically about regulating and governing this emerging technology.

AI is not solely a technical matter, though it is easy for policy analysts and others to get lost in the technical details. Understanding the impact of AI on society is a multifaceted enterprise that requires expertise from computer science, economics, law, medicine, political science, psychology, and a host of other disciplines. To that end, the boot camp draws upon the knowledge of multidisciplinary AI experts in academia, as well as leaders from civil society and industry.

The bicameral, bipartisan Boot Camp consists of many sessions unpacking how to mitigate AI risk, understanding and regulating foundation models, and the impact of AI on healthcare, education, climate, and online harm. It also includes an interactive, three-hour National Security Council simulation surrounding the deployment of AI in a crisis situation. Each session will feature world-class scholars from Stanford University, leaders from Silicon Valley, and pioneers from civil society organizations. We hope all participants will leave the boot camp with the conceptual framework needed to address the emerging technology landscape today and better anticipate the challenges of tomorrow.

MONDAY, AUGUST 5

Time	Agenda Item
7:01 am ET	<i>Flight Departure from D.C. (UA 1927, IAD→SFO)</i>
9:48 am PT	<i>Flight Arrival to SFO</i>
9:48 am – 11:00 am	<i>Travel to campus</i>
11:00 am	<i>Program Commences</i>
11:00 am – 11:15 am	<p>Welcome & Introduction: <i>Session Description: Stanford HAI staff will welcome congressional staffers to campus and provide an overview of why the boot camp was created and what Stanford HAI hopes for participants to gain.</i></p> <p>Speaker:</p> <ul style="list-style-type: none"> • Russell Wald, Deputy Director, Stanford HAI
11:15 am - 12:15 pm	<p>Session 1: <i>Mapping the AI Landscape</i> <i>Session Description: This session will cover the basic concepts of AI, including compute power, neural networks, narrow vs. general AI, gradient descent, and more. It will also provide a bird’s-eye view of the AI landscape, covering different AI techniques such as deep learning, computer vision, natural language processing, and supervised and unsupervised learning. Participants will walk away with a greater understanding of the primary aspects of AI and be better prepared for the boot camp.</i></p> <p>Speaker:</p> <ul style="list-style-type: none"> • Peter Norvig, Distinguished Education Fellow, Stanford HAI
12:15 pm - 1:15 pm	<p>Session 2: <i>Mitigating Risk: Implementing Safe & Robust AI</i> <i>Session Description: The consequences of deploying robust AI and decision-making technologies in safety-critical systems such as driverless vehicles and autonomous aircraft are enormous. Challenges for AI developers range from biased inputs, constantly evolving conditions, and explainability issues, among others. This session will discuss the obstacles developers face as well as the difficult—and often politically fraught—decisions they make around operational</i></p>

	<p><i>efficiency and how they define acceptable risk parameters.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> ● Mykel Kochenderfer, Associate Professor of Aeronautics and Astronautics and, by courtesy, of Computer Science, Stanford University; Faculty Affiliate, Stanford HAI ● Sanmi Koyejo, Assistant Professor of Computer Science, Stanford University; Faculty Affiliate, Stanford HAI ● Judy Shen (moderator), PhD Candidate in Computer Science, Stanford University
<p>1:15 pm - 1:30 pm</p>	<p><i>Break</i></p>
<p>1:30 pm - 2:30 pm</p>	<p>Session 3: <i>The Fuel of AI: Data (and Its Perils)</i></p> <p><i>Session Description: Contemporary AI technologies run on data, but AI developers face significant obstacles in acquiring and cleaning data. In addition, developers must do their best to ensure data’s inherent biases (and their non-obvious proxies) are accounted for in their AI systems. Moreover, different social values around privacy, data ownership, and data creation impact what AI technologies are possible. This session will dive into how the data policies developed today will shape the technologies of tomorrow.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> ● Alex “Sandy” Pentland, Toshiba Professor of Media Arts and Sciences and Professor of Information Technology, MIT Management Sloan School; Visiting Scholar, Stanford Digital Economy Lab ● Julian Nyarko, Professor of Law, Stanford Law School; Senior Fellow and Associate Director, Stanford HAI ● Neel Guha (moderator), JD-PhD Candidate in Computer Science, Stanford University
<p>2:30 pm - 3:30 pm</p>	<p>Session 4: <i>The Role of Compute and Chips</i></p> <p><i>Session Description: This session highlights how computational power directly influences the capabilities and efficiency of AI systems, impacting everything from machine learning model training times to the sophistication of AI applications. Policymakers are introduced to key concepts such as the high-performance computing chips, trade-offs between computational demands and energy</i></p>

	<p><i>consumption, and the strategic importance of compute in national competitiveness in AI.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> • Kunle Olukotun, Cadence Design Systems Professor of Electrical Engineering and Professor of Computer Science, Stanford University; Faculty Affiliate, Stanford HAI • Azalia Mirhoseini, Assistant Professor of Computer Science, Stanford University • Drew Spence (moderator), Policy Program Manager, Stanford HAI
<p>3:30 pm - 3:45 pm</p>	<p><i>Break</i></p>
<p>3:45 pm - 4:30 pm</p>	<p>Session 5: <i>Understanding the Basics of Foundation Models</i></p> <p><i>Session Description: Recently, a paradigm for building AI systems has emerged: train one model on a huge amount of data and adapt it to numerous applications. We have deemed such a model a foundation model (such as ChatGPT). This session unpacks how foundation models were created and deployed, the requirements to build one, expected and unexpected consequences of these models, and other hot topics surrounding the use of large AI models.</i></p> <p>Speaker:</p> <ul style="list-style-type: none"> • Percy Liang, Associate Professor of Computer Science and, by courtesy, of Statistics, Stanford University; Director, Stanford Center for Research on Foundation Models; Senior Fellow, Stanford HAI
<p>4:30 pm - 4:45 pm</p>	<p><i>Break/Transition Outside</i></p>
<p>4:45 pm - 5:30 pm</p>	<p>Session 6: <i>Fireside Chat - Cutting Edge: AI Developments that are Steering the Future</i></p> <p><i>Session Description: The rapid advancements in AI in recent years have shocked the world. From models generating realistic images from scratch to ambient technologies that enhance the human condition, the possibilities of what AI can do for humanity are endless. Understanding today’s cutting-edge AI will help steer tomorrow’s innovation. This session will dive into what is on the horizon of AI advancements and how these technologies can be leveraged to benefit society.</i></p>

	<p>Speakers:</p> <ul style="list-style-type: none"> • Fei-Fei Li, Sequoia Professor of Computer Science, Stanford University; Denning Co-Director, Stanford HAI • James Manyika, President, Research, Technology & Society, Google and Alphabet; Co-Chair, the U.N. Secretary General’s Members of the High-level Advisory Body on Artificial Intelligence; Advisory Council Member, Stanford HAI
5:30 pm - 7:00 pm	<i>Dinner</i>
7:00 pm	<i>Bus pickup at Gates → hotel</i>

TUESDAY, AUGUST 6

Time	Agenda Item
8:15 am	<i>Bus pickup at hotel → Gates</i>
8:45 am	<i>Check-In Open</i>
8:45 am - 9:00 am	<p>Breakfast/Debrief <i>Session Description: Stanford HAI staff will lead a discussion debriefing the key concepts that staffers learned in earlier sessions. They will also offer a preview of Day 2 and leave ample time for questions.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> • Daniel Zhang, Senior Manager for Policy Initiatives, Stanford HAI • Drew Spence, Policy Program Manager, Stanford HAI
9:00 am - 10:00 am	<p>Session 1: <i>Revolutionizing the Classroom: How AI Is Advancing Education</i> <i>Session Description: AI has the potential to dramatically improve education. From teacher support to personalized student engagement, AI could democratize extraordinary teaching and learning. But dangers and concerns loom. Collecting data from children raises privacy concerns, and current inequities in the education system might be exacerbated by the introduction of AI. This session will look into how AI can be leveraged to improve the education system without causing harm to teachers and students.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> • Victor R. Lee, Associate Professor of Education, Stanford Graduate School of Education; Faculty Lead on AI and Education, Stanford Accelerator for Learning; Faculty Affiliate, Stanford HAI • Daniel Schwartz, I. James Quillen Dean and Nomellini & Olivier Professor of Educational Technology, Stanford Graduate School of Education; The Halper Family Faculty Director, Stanford Accelerator for Learning; Faculty Affiliate, Stanford HAI • Isabelle Hau (moderator), Executive Director, Stanford Accelerator for Learning
10:00 am - 10:15 am	<i>Break</i>

<p>10:15 am - 11:15 am</p>	<p>Session 2: <i>Transforming Healthcare Through Innovation</i> <i>Session Description: Some of the most exciting advances of this technological wave are focused on healthcare: faster and better diagnoses, enhanced therapies, increased hospital standards which reduce patient harms, and protein folding which has the potential to cure debilitating diseases. Healthcare is on the cusp of a revolution that will advance human well-being. At the same time, the United States faces an incredible shortage of qualified healthcare workers, lacks proper evaluation of medical devices, and struggles with unclear liability risk/clinician responsibility. These mounting challenges raise the question, can AI help “save” the U.S. healthcare system? This session will highlight the coming changes in healthcare, the opportunities and risks AI presents, and how policies can ensure safe and robust health systems.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> • Alyce Adams, Medicine Innovation Professor and Professor of Epidemiology and Population Health, of Health Policy, and, by courtesy, of Pediatrics, Stanford University • Curtis Langlotz, Professor of Radiology, of Medicine, and of Biomedical Data Science, Stanford University; Director, Center for Artificial Intelligence in Medicine and Imaging; Senior Fellow and Associate Director, Stanford HAI • Michelle Mello, Professor of Law and Health Policy, Stanford University; Faculty Affiliate, Stanford HAI • Caroline Meinhardt (Moderator), Policy Research Manager, Stanford HAI
<p>11:15 am - 12:15 pm</p>	<p>Session 3: <i>AI, Automation, and the Future of Work</i> <i>Session Description: AI and automation will have a rippling effect on today’s workforce and the future of work. Mainstream narratives forecast AI will displace workers and funnel profits up to a select few. Alternatively, AI has the potential to augment and supercharge labor, ensuring the benefits of AI are spread and enjoyed widely. This session dives into deeper detail regarding what exactly we should expect as AI and automation integrate into the economy and the subsequent consequences for the workforce. The panelists will also discuss how policies can reshape and guide what the future holds.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> • Erik Brynjolfsson, Director, Stanford Digital Economy Lab; Jerry Yang and Akiko Yamazaki Professor and Senior Fellow, Stanford HAI; Ralph Landau Senior Fellow, Stanford Institute for Economic Policy Research

12:15 pm - 1:00 pm	Lunch Break
1:00 pm - 2:00 pm	<p>Session 4: Modernizing a Mammoth: Use-Cases of Public Sector AI <i>Session Description: The U.S. government is in great need of a technological upgrade. From streamlining administrative processes to providing personalized services to constituents, there is ample opportunity for AI to help government agencies achieve their missions. However, integrating AI into the government is not as easy as obtaining and deploying the technology. Talent, infrastructure, public trust, and morale play equally important roles in ensuring the successful modernization of government. This session will dive into current use-cases of AI in government, the challenges and successes of these cases, and how to improve the integration of new technologies that will help the government serve its citizens.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> • Daniel Ho, William Benjamin Scott and Luna M. Scott Professor of Law, Stanford Law School; Director, Stanford Regulation, Evaluation, and Governance Lab; Senior Fellow, Stanford HAI and Stanford Institute for Economic Policy Research
2:00 pm	<i>Bus pickup at Gates → hotel</i>
4:00 pm	<i>Bus pickup at hotel → Hoover</i>
4:30 pm - 5:30 pm	<p>Session 5: The Role of Business: Policy Implications of Industry Leadership in AI <i>Session Description: Silicon Valley, which is home to venture capital, startups, and leading tech firms, is a global center of tech innovation. From the startup lab to the boardrooms of major companies, this session will bring together startup founders and tech executives to map out Silicon Valley’s innovation ecosystem, discuss its vibrancy, and critically think about the consequences of AI developments on society. Panelists will offer their perspectives on starting, funding, and running successful companies as well as providing counsel to companies on ensuring ethical business practices.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> • Rachel Gillum, Vice President of Ethical & Humane Use of Technology, Salesforce • Sarah Guo, Founder and Managing Partner, Conviction

	<ul style="list-style-type: none"> • Michael Kratsios, Former Chief Technology Officer of the United States; Managing Director, ScaleAI; Distinguished Policy Fellow, Stanford HAI • Navrina Singh, CEO and Founder, CredoAI • DJ Patil (moderator), Former Chief Data Scientist of the United States; General Partner, GreatPoint Ventures
5:30 pm - 6:30 pm	<p>Debrief Reception</p> <p><i>Session Description: Participants will have an opportunity to ask more specific questions of the panelists that participated in session 5. This will be an opportunity to foster a more in-depth conversation with the participants and the panelists and share takeaways that may be relevant for session 6.</i></p>
6:30 pm - 8:00 pm	<p>Session 6:</p> <p>Keynote Dinner - AI's Global Impact on Democracy and Governance</p> <p><i>Session Description: The introduction of AI into society has had ripple effects on governments worldwide. Disinformation spreading on digital platforms—further amplified by AI—has had real-world consequences on democracy. Additionally, authoritarian countries are leveraging AI to further surveil and control their populations. The future of democracy hangs in the balance of making sure AI is used to affirm democratic systems and reinforce norms and values for the betterment of humanity. This dinner discussion will unpack the complexities of AI as it intertwines with different governments and considers how to ensure democracy prevails in a digital world.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> • Amy Zegart, Morris Arnold and Nona Jean Cox Senior Fellow, Hoover Institution; Senior Fellow, Stanford Freeman Spogli Institute of International Studies; Senior Fellow and Associate Director, Stanford HAI • Mariano-Florentino (Tino) Cuéllar, President, Carnegie Endowment for International Peace; Visiting Professor, Stanford Law School; Advisory Council Member, Stanford HAI • Fei-Fei Li, Sequoia Professor of Computer Science, Stanford University; Denning Co-Director, Stanford HAI • Russell Wald (moderator), Deputy Director, Stanford HAI
8:00 pm	<p><i>Bus pickup at Hoover → hotel</i></p>

WEDNESDAY, AUGUST 7

Time	Agenda Item
7:45 am	<i>Bus pickup at hotel → Gates</i>
8:15 am	<i>Check-In Open</i>
8:15 am - 8:30 am	<p>Breakfast/Debrief <i>Session Description: Stanford HAI staff will lead a discussion debriefing the key concepts that staffers learned in earlier sessions. They will also offer a preview of Day 3 and leave ample time for questions.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> • Daniel Zhang, Senior Manager for Policy Initiatives, Stanford HAI • Drew Spence, Policy Program Manager, Stanford HAI
8:30 am - 9:30 am	<p>Session 1: <i>Digital Dupes: How AI is Distorting Truth Through Synthetic Media and Deepfakes</i> <i>Session Description: The rapid spread of disinformation has challenged societies and deepened mistrust, threatening to erode democratic values. Furthermore, synthetic media from the advent of generative AI has created deceptively realistic images and videos—known as deepfakes—that are indistinguishable from reality. These developments are leading to an information crisis where consumers are becoming less certain of the veracity of the content they encounter. This session will dive into how AI has changed the information economy and how policy can help protect people from fake content.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> • Riana Pfefferkorn, Policy Fellow, Stanford HAI • Dave Willner, Non-Resident Fellow, Program on Governance of Emerging Technologies, Stanford Cyber Policy Center • Elena Cryst (moderator), Director of Policy and Society, Stanford HAI
9:30 am - 10:30 am	<p>Session 2: <i>The Possibilities and Pitfalls of AI and Climate Sustainability</i></p>

	<p><i>Session Description: The risks and threats stemming from global climate change are becoming a growing issue for policymakers. At the same time, the rapid advancements of AI have presented possible opportunities to use this technology to help tackle our greatest climate challenges, from achieving net-zero emissions to preparing for extreme weather events. Conversely, AI continues to increasingly rely on compute power, which is an energy-intensive resource and contributes to the emission of CO2. As a result, there is mounting concern around AI’s environmental impact, drawing attention to the cost-benefit analysis of AI advancements. This session will unpack how AI can be used to help confront climate change while also better understanding AI’s own ripple effects in the environment.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> ● Marshall Burke, Associate Professor, Stanford Doerr School of Sustainability; Senior Fellow, Stanford Freeman Spogli Institute of International Studies, Stanford Woods Institute for the Environment, and Stanford Institute for Economic Policy Research ● Ram Rajagopal, Associate Professor of Civil and Environmental Engineering and, by courtesy, of Electrical Engineering, Stanford University; Faculty Affiliate, Stanford HAI ● Vanessa Parli (moderator), Director of Research, Stanford HAI
<p>10:30 am - 10:45 am</p>	<p><i>Break</i></p>
<p>10:45 am - 12:15 pm</p>	<p>Simulation: Briefing and Phase 1</p> <p><i>Session Description: In this 3-hour National Security Council simulation, staffers will respond to a crisis situation in the Taiwan Strait involving the potential deployment of AI for national security purposes.</i></p> <p>Facilitators:</p> <ul style="list-style-type: none"> ● Jacob Ganz, Program Manager, Wargaming and Crisis Simulation Initiative, Hoover Institution ● Drew Spence, Policy Program Manager, Stanford HAI ● Harold Trinkunas, Deputy Director and Senior Research Scholar, Stanford Center for International Security and Cooperation
<p>12:15 pm - 12:30 pm</p>	<p><i>Working Lunch</i></p>
<p>12:30 pm -</p>	<p>Simulation: Phase 2 and Outbrief</p>

<p>2:00 pm</p>	<p><i>Session Description: In this 3-hour National Security Council simulation, staffers will respond to a crisis situation in the Taiwan Strait involving the potential deployment of AI for national security purposes.</i></p> <p>Facilitators:</p> <ul style="list-style-type: none"> • Jacob Ganz, Program Manager, Wargaming and Crisis Simulation Initiative, Hoover Institution • Drew Spence, Policy Program Manager, Stanford HAI • Harold Trinkunas, Deputy Director and Senior Research Scholar, Stanford Center for International Security and Cooperation
<p>2:00 pm - 3:00 pm</p>	<p>Session 3: <i>How AI Will Shape the Future of International Security and U.S. Intelligence</i></p> <p><i>Session Description: AI is introducing new opportunities to strengthen U.S. intelligence and national security capabilities. However, it is crucial for policymakers to grasp the inner workings of both the U.S. national security framework and AI technologies to leverage these advancements effectively. Modern espionage, for example, is more pervasive yet less understood than ever, leading to misinformation and policy missteps. This session will separate fact from fiction as panelists discuss the past, present, and future of American espionage and how AI is creating an adapt-or-fail moment for international security and U.S. intelligence.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> • Brad Boyd, Visiting Fellow, Hoover Institution • Amy Zegart, Morris Arnold and Nona Jean Cox Senior Fellow, Hoover Institution; Senior Fellow, Stanford Freeman Spogli Institute of International Studies; Senior Fellow and Associate Director, Stanford HAI • Harold Trinkunas (moderator), Deputy Director and Senior Research Scholar, Stanford Center for International Security and Cooperation
<p>3:00 pm - 3:15 pm</p>	<p><i>Break</i></p>
<p>3:15 pm - 4:15 pm</p>	<p>Session 4: Stanford Robotics Center Visit</p> <p><i>Session Description: This session offers a unique opportunity to witness firsthand the latest advancements in robotics research and development. Participants will learn the history of automation, explore innovative</i></p>

	<p><i>applications of robotics in various fields, from healthcare to autonomous systems, engage demonstrations, and understand their potential impact on society.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> • Steve Cousins, Executive Director, Stanford Robotics Center
4:15-4:30 pm	<i>Break</i>
4:30-5:30 pm	<p>Session 5: <i>Understanding the Governance of Foundation Models</i> <i>Session Description: Foundation models are at the center of the global discourse on AI: the emerging technological paradigm has a concrete and growing impact on the economy, policy, and society. As governments around the world explore governance initiatives regarding the ethical and responsible deployment of foundation models, this session analyzes the evolving landscape of regulations, guidelines, and best practices and provides insights into key considerations for effective governance, including transparency, copyrights, and privacy.</i></p> <p>Speakers:</p> <ul style="list-style-type: none"> • Rishi Bommasani, Society Lead, Stanford Center for Research on Foundation Models; PhD Candidate of Computer Science, Stanford University • Jennifer King, Privacy and Data Policy Fellow, Stanford HAI • Mark Lemley, William H. Neukom Professor of Law, Stanford Law School; Director, Program in Law, Science and Technology, Stanford University; Faculty Affiliate, Stanford HAI • Daniel Zhang (moderator), Senior Manager for Policy Initiatives, Stanford HAI
5:30 pm - 7:00 pm	Closing Dinner
7:30 pm	<i>Bus → hotel</i>

THURSDAY, AUGUST 8

Time	Agenda Item
5:45 am	<i>Shuttle Leaves Hotel to SFO Airport</i>
8:15 am	<i>Flight Departure from San Francisco (UA 1954, SFO → IAD)</i>
4:20 pm	<i>Flight Arrival to IAD</i>

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Stanford University
Human-Centered
Artificial Intelligence

Wednesday, June 26, 2024

Dear Jacqueline,

On behalf of the Stanford Institute for Human-Centered Artificial Intelligence (HAI), I am pleased to welcome you to the Stanford HAI Congressional Boot Camp on Artificial Intelligence which will take place August 5-7, 2024 at Stanford University.

Emerging digital technologies will be among the most consequential forces of the 21st century: they will transform economies, challenge legal and political norms, and reconfigure society. Further, we understand the vital role Congressional staff play in shaping and developing policy on critical technology areas such as artificial intelligence (AI). Rapid advancements in AI make it challenging for many to keep up with a quickly evolving field. That is why the Stanford Institute for Human-Centered AI (HAI) specifically designed the Congressional Boot Camp on Artificial Intelligence to explore the latest in AI developments, equipping participants with the comprehensive knowledge needed to think critically about regulating and governing this emerging technology.

The bicameral, bipartisan Boot Camp consists of many sessions unpacking how to mitigate AI risk, understanding and regulating foundation models, and the impact of AI on healthcare, education, climate, and online harm. It also includes an interactive, three-hour National Security Council simulation surrounding the deployment of AI in a crisis situation. Each session will feature world-class scholars from Stanford University, leaders from Silicon Valley, and pioneers from civil society organizations.

To confirm your attendance, please **submit your ethics forms by Friday, July 5th and alert HAI's policy program manager (dkspence@stanford.edu) that you have done so**. In the meantime, please mark your calendar and contact Drew if you have any questions. We will be booking your roundtrip airfare in the coming days and also reserving a room for you at the Hotel Citrine in Palo Alto for three nights (August 5-7th). We look forward to welcoming you to Stanford this August.

Sincerely,

A handwritten signature in black ink that reads "Daniel Zhang". The signature is written in a cursive, flowing style.

Daniel Zhang
Senior Manager for Policy Initiatives