Danaë Metaxa

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Pronouns: they/them
ʾΟνομα, αντωνυμίες: Δαναός, ο/του

Appointments

University of Pennsylvania | Raj & Neera Singh Term Assistant Professor, July 2022 - curr.
Department of Computer & Information Science (primary)
Annenberg School for Communication (secondary)

Stanford University | Postdoctoral Scholar, September 2021 - July 2022
Center for Philanthropy and Civil Society – Department of Political Science

Keywords

Human-Computer Interaction; Human-Centered AI; Algorithm Audits; Social Justice & Technology

Education

Stanford University | PhD, Computer Science, 2021

Stanford University | MSc, Computer Science, 2018

Brown University | BA, Computer Science *with honors*;
BA in Science, Technology, and Society, 2015

Awards & Honors

Stanford Human-Centered AI Seed Grant (2020-21)
EECS Rising Stars Participant, University of Illinois at Urbana-Champaign (2019)
Stanford McCoy Center for Ethics in Society Grad Student Fellowship (2018)
NSF Graduate Research Fellowship (2017, Declined)
Stanford Graduate Fellowship (2015-2020)
Google Anita Borg Memorial Scholarship (2015)
Brown University Outstanding Computer Science Undergraduate Award (2015)
CRA Outstanding Undergraduate Researcher - Runner Up (2014)
CRA Distributed Research Experiences for Undergraduates Award (2014)
Box Engineering Diversity Scholarship (2013)
Brown University Undergraduate Teaching and Research Award (2013)

Publications

Refereed Conference Publications

Lam, M. S., Gordon, M. L., **Metaxa, D.**, Hancock, J. T., Landay, J. A., & Bernstein, M. S. (2022). "End-User Audits: A System Empowering Communities to Lead Large-Scale Investigations of Harmful Algorithmic Behavior." CSCW 2022. https://hci.stanford.edu/publications/2022/Lam_EndUserAudits_CSCW22.pdf

Metaxa, D.; Gan, M.; Goh, S., Hancock, J.; Landay, J.A. "An Image of Society: Gender and Racial Representation and Impact in Image Search Results for Occupations." CSCW 2021. https://dl.acm.org/doi/10.1145/3449100

Xiao, S.; **Metaxa, D.**; Park, J.S.; Karahalios, K., Salehi, N. "Random, Messy, Funny Raw: Finstas as Intimate Reconfigurations of Social Media." CHI 2020. https://dl.acm.org/doi/fullHtml/10.1145/3313831.3376424 *Honorable mention award.*

Metaxa, D.; Park, J.S.; Landay, J.A.; Hancock, J. "Search Media and Elections: A Longitudinal Investigation of Political Search Results in the 2018 U.S. Elections." CSCW 2019. https://dl.acm.org/doi/abs/10.1145/3359231

Metaxa, D.; Maas, P.; Aldrich, D. "How Social Ties Influence Hurricane Evacuation Behavior." CSCW 2018. https://dl.acm.org/citation.cfm?id=3274391

Che, X.; **Metaxa, D.**; Hancock, J. "Fake News in the News: An Analysis of Partisan Coverage of the Fake News Phenomenon." CSCW 2018. https://dl.acm.org/citation.cfm?id=3274079

Metaxa, D.; Wang, K.; Landay, J.A.; Hancock, J. "Gender-Inclusive Design: Stereotypes and Biases in Web Interfaces." CHI 2018. https://dl.acm.org/citation.cfm?id=3173574.3174188

Daskalova, N.; **Metaxa, D.**; Tran, A.; Nugent, N.; Boergers, J.; McGeary, J.; Huang, J. "SleepCoacher: A Personalized Automated Self-Experimentation System for Sleep Recommendations." UIST 2016. https://dl.acm.org/citation.cfm?id=2984534

Metaxa, D.; Rusak, G.; Teevan, J.; and Bernstein, M. "The Web is Flat: The Inflation of Uncommon Experiences Online." CHI 2016. https://dl.acm.org/citation.cfm?id=2892424 *Best short paper award.*

Papoutsaki, A.; Guo, H.; **Metaxa, D.**; Gramazio, C.; Rasley, J.; Xie, W.; and Huang, J. "Crowdsourcing from Scratch: A Pragmatic Experiment in Data Collection by Novice Requesters." HCOMP 2015. https://www.aaai.org/ocs/index.php/HCOMP/HCOMP15/paper/view/11582 *Best paper runner-up.*

Books

Metaxa, D., et al. *Auditing Algorithms: Understanding Algorithmic Systems from the Outside In*, Foundations and Trends in Human-Computer Interaction 14 (4)

Book Chapters

Metaxa, D.; Raji, D. "A Tale of Two Audits: Investigating the Politics of Algorithm Audit Evaluations" in *AI // Assembly* edited by Bernholz, L. *(in progress)*

White Papers

Garton Ash, T.; Gorwa, R.; **Metaxa, D.** Glasnost! Nine ways Facebook can make itself a better forum for free speech and democracy. 2019. Reuters Institute for the Study of Journalism.

Sheuerman, M. K. et al. HCI Guidelines for Gender Equity and Inclusivity. 2019.

Metaxa, D.; Torres-Echeverry, N. Google's Role in Spreading Fake News and Misinformation. SSRN. 2017.

Popular Press

Gorwa, R.; **Metaxa, D.** Here's how Mark Zuckerberg can save Facebook from itself. *Wired UK.* March 4, 2019

Hancock, J.; **Metaxa, D.**; Park, J. S. Are Google search results politically biased? *The Guardian.* September 6, 2018.

Aldrich, D. P.; **Metaxa, D.** How your social network could save you from a disaster. *The Conversation.* July 16, 2018.

Invited Talks

University of Pennsylvania | Annenberg Conversations on Gender. "From Algorithm Audits to Accountability" (September 3, 2021) Link
Virginia Commonwealth University | Camp Qmunity (July 12, 2021)
Mobile Data Management Conference | Diversity and Inclusion Session. (June 15, 2021)
Cornell University | Graduate Students for Gender Inclusion in Computing Group. "Bias and Representation in Sociotechnical Systems." (April 6, 2021)
Carnegie Mellon University | Human-Computer Interaction Institute. "Bias and Representation in Sociotechnical Systems." (March 25, 2021)
University of Pennsylvania | Computer and Information Science Department. "Bias and Representation in Sociotechnical Systems." (March 18, 2021)
University of Texas at Austin | School of Journalism and Media. "Bias and Representation in Sociotechnical Systems." (March 8, 2021)
Johns Hopkins University | Computer Science Department. "Bias and Representation in Sociotechnical Systems." (February 26, 2021)
University of Washington | Information School. "Bias and Representation in Sociotechnical Systems." (February 23, 2021)
Simon Fraser University | Computer Science Department. "Bias and Representation in Sociotechnical Systems." (February 22, 2021)
University of Illinois at Urbana-Champaign | CS598RK: Human-Computer Interaction for Machine Learning. "Inclusive Design from the Lab to the Classroom." (October 31, 2019)
Stanford University | CS247i: Design for Understanding. "Inclusive Web Design." (October 22, 2019)

Stanford University | Democracy & Internet Scholars Workshop. "Search Media and Elections: Investigating Partisanship in Political Search Results. (February 22, 2019)
Stanford Law School | Project on Democracy and Internet Seminar Series. "Algorithm Audits and Political Bias in Web Search." (November 29, 2018)
Wellesley College | Computer Science Department. "So you're thinking about graduate school..." (November 17, 2016)
Smith College | Computer Science Department. "So you're thinking about graduate school..." (November 18, 2016)

Professional Service

Reviewing

Editorial Boards | *Journal of Online Trust and Safety*, 2020 - current
Conferences | CSCW '22, FAccT '22 (AC), CSCW '21, FAccT '20, CSCW '20, CHI '20, ICWSM '20, CSCW '19, CHI '18, ICWSM '18

Committee Leadership

CSCW Conference Steering Committee | Graduate student member, 2019-21
ICWSM Conference | Web Chair, 2017-18

University Service

Stanford CS PhD Social Committee | Founder and Chair, 2015-20

Stanford CS PhD Liaison to the Faculty | Liaison, 2015-16

Stanford HCI Qualifying Exam Equity & Justice Update | Lead volunteer, 2020-21

Stanford CS PhD Applicant Student Support Program, Volunteer, 2020-21

Stanford Out in STEM | Mentor, 2020-21

Underrepresented in Stanford Computer Science program | Mentor, 2020-21

Stanford Enhancing Diversity in Graduate Education (EDGE) | Mentor, 2017-19

Other Service

Stanford Alpine Club | President, 2017-18

Stanford Hellenic Student Association | Board Member, 2015-16

Student Advising

PhD Students at Penn

Princess Sampson, 2022 - current

Ro Encarnacion, 2022 - current

Undergraduates

Lena Armstrong, current senior at Penn

Other Advisees

2021 - current

Michelle Lam, current PhD student at Stanford

Past Advisees

2021 - 2022

Melanie Zhou, then first-year at Stanford

Keitany Alison Jelagat, then first-year at Stanford

Alison Kim, then junior at Swarthmore College

2020 - 2021

Janine Fleming, undergraduate at Stanford

Hannah Kim, undergraduate at Stanford

2019 - 2022

Ayush Pandit, then undergraduate at Stanford, now PhD student in CS at Stanford

Colin Kalicki, then undergraduate at Stanford, now MSc at Stanford

2019 - 2021

Su Goh, then senior at McGill University

Michelle Gan, undergraduate at Stanford

Justin Tinker, undergraduate at Stanford

2019 - 2020

Aayush Agrawal, then sophomore at Stanford

2018 - 2020

Joon S. Park, then recently graduated from Swarthmore, now PhD student in CS at Stanford

2018 - 2019

Bec Smith, then junior at Stanford University, now Support Engineer at Microsoft

Michelle Park, then senior at Stanford, now founder of [stealth] (*based on her senior thesis!*)

2017 - 2018

Kelly Wang, then junior at Brown University, now SWE at Oculus

Xunru Rainy Chen, then junior at Northwestern University, now SWE at Meta

2016 - 2017

Mo Tiwari, then engineer at Facebook, now PhD student at Stanford

Jared Bitz, then first-year undergraduate at Stanford

2014 - 2015

Gili Rusak, then high schooler, now Master's student at Stanford