Mitchell L. Gordon

Postdoctoral Scholar, Computer Science & Engineering
University of Washington

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365 Gates Center

Education

Stanford University	2016 – 2023

PhD, Computer Science
Advisors: Michael Bernstein and James Landay
Committee: Tatsunori Hashimoto, Kayur Patel, Saleema Amershi, Jeff Hancock

Stanford University	2019

Master of Science, Computer Science

University of Rochester	2012 – 2016

Bachelor of Science with honors and high distinction, Computer Science
Advisors: Jeffrey Bigham and Philip Guo

Employment

Massachusetts Institute of Technology
Assistant Professor, EECS/CSAIL — starting fall 2024

University of Washington
Postdoctoral Scholar, CSE — 2023 – 2024
Hosts: Jeffrey Heer and Yejin Choi

Apple
Research Intern. *Hosts:* Kayur Patel, Jeffrey Bigham — 2022
Research Intern. *Hosts:* Kayur Patel, Andrew Trister, Jeffrey Bigham, Carlos Guestrin — 2019

Google
Research Intern — 2020
Software Engineering Intern — 2014, 2015, 2016, 2017

Carnegie Mellon University
Research Intern, HCII — 2014

Awards and Honors

2023	Best Paper award, ACM CSCW
2022	Best Paper award, ACM CHI
2020 – 2022	Apple PhD Fellowship in AI/ML
2020	Finalist, Facebook Fellowship
2019	Oral, NeurIPS (top 0.5% of submissions)
2019	Oral, WWW (top 5% of submissions)
2016 – 2019	Stanford Graduate Fellowship
2016, 2018	Honorable Mention, NSF Graduate Fellowship

2016   CRA Outstanding Undergraduate Researcher Award
2015   2nd place, ACM Student Research Competition Grand Finals
2014   1st place, ASSETS ACM Student Research Competition

Publications

Refereed Conference Papers

[1]   Wanrong He, **Mitchell L. Gordon**, Lindsay Popowksi, Michael S. Bernstein. Cura: Curation at Social Media Scale. *CSCW 2023: Conference On Computer-Supported Cooperative Work And Social Computing.* **Best Paper award.**

[2]   Michelle S. Lam, **Mitchell L. Gordon**, Danaë Metaxa, Jeffrey T. Hancock, James A. Landay, Michael S. Bernstein. End-User Audits: A System Empowering Communities to Lead Large-Scale Investigations of Harmful Algorithmic Behavior. *CSCW 2022: Conference On Computer-Supported Cooperative Work And Social Computing.*

[3]   **Mitchell L. Gordon,** Michelle S. Lam, Joon Sung Park, Kayur Patel, Jeffrey T. Hancock, Tatsu Hashimoto, Michael S. Bernstein. Jury Learning: Integrating Dissenting Voices into Machine Learning Models. *CHI 2022: SIGCHI Conference on Human Factors in Computing Systems.* **Best Paper award.**

[4]   **Mitchell L. Gordon**, Kaitlyn Zhou, Kayur Patel, Tatsunori Hashimoto, Michael S. Bernstein. The Disagreement Deconvolution: Bringing Machine Learning Performance Metrics In Line With Reality. *CHI 2021: SIGCHI Conference on Human Factors in Computing Systems.*

[5]   Sharon Zhou*, **Mitchell L. Gordon***, Ranjay Krishna, Austin Narcomey, Li Fei-Fei, Michael S. Bernstein. HYPE: A Benchmark for Human eYe Perceptual Evaluation of Generative Models. *NeurIPS 2019: Conference on Neural Information Processing Systems.* **Oral presentation (0.5% of submissions).**
       * equal contribution.

[6]   **Mitchell L. Gordon**, Tim Althoff, Jure Leskovec. Goal-setting And Achievement In Activity Tracking Apps: A Case Study Of MyFitnessPal. *WWW 2019: International World Wide Web Conference.* **Oral presentation (5% of submissions).**

[7]   **Mitchell L. Gordon**, Leon Gatys, Carlos Guestrin, Jeffrey P. Bigham, Andrew Trister, Kayur Patel. App Usage Predicts Cognitive Ability in Older Adults. *CHI 2019: SIGCHI Conference on Human Factors in Computing Systems.*

[8]   **Mitchell L. Gordon**, Shumin Zhai. Touchscreen Haptic Augmentation Effects On tapping, Drag and Drop, and Path Following. *CHI 2019: SIGCHI Conference on Human Factors in Computing Systems.*

[9]   Harmanpreet Kaur, **Mitchell Gordon**, Yiwei Yang, Jeffrey P Bigham, Jaime Teevan, Ece Kamar, Walter S Lasecki. Crowdmask: Using crowds to preserve privacy in crowd-powered systems via progressive filtering. *HCOMP 2017: AAAI Conference on Human Computation.*

[10]   **Mitchell Gordon**, Tom Ouyang, Shumin Zhai. WatchWriter: Tap and Gesture Typing on a Smartwatch with Miniature Qwerty and Beyond. *CHI 2017: SIGCHI Conference on Human Factors in Computing Systems.*

[11]   **Mitchell Gordon** and Philip J. Guo. Codepourri: Creating Visual Coding Tutorials Using A Volunteer Crowd Of Learners. *VL/HCC 2015: IEEE Symposium on Visual Languages and Human-Centric Computing.*

[12]   Joyce Zhu, Jeremy Warner, **Mitchell Gordon**, Jeffery White, Renan Zanelatto, Philip J. Guo. Toward a Domain-Specific Visual Discussion Forum for Learning Computer Programming: An Empirical Study of a Popular MOOC Forum. *VL/HCC 2015: IEEE Symposium on Visual Languages and Human-Centric Computing.*

[13]   Walter S. Lasecki, **Mitchell Gordon**, Winnie Leung, Ellen Lim, Jeffrey P. Bigham, Steven P. Dow. Exploring Privacy and Accuracy Trade-Offs in Crowdsourced Behavioral Video Coding. *CHI 2015: SIGCHI Conference on Human Factors in Computing Systems.*

[14]   Walter S. Lasecki, **Mitchell Gordon**, Malte Jung, Danai Koutra, Steven P. Dow, Jeffrey P. Bigham. Glance: Rapidly Coding Behavioral Video with the Crowd. *UIST 2014: ACM Symposium on User Interface Software and Technology.*

Book Chapters and Dissertations

[15]   **Mitchell L. Gordon.** Human-AI Interaction Under Societal Disagreement. *Doctoral Dissertation, Stanford University.* 2023.

[16]   Ranjay Krishna, **Mitchell L. Gordon**, Li Fei-Fei, Michael S. Bernstein. Visual Intelligence through Human Interaction. Yang Li and Otmar Hilliges, Editors. In *Artificial Intelligence for Human Computer Interaction: A Modern Approach.* Springer, 2021.

Workshop Papers

[17] Y. Alex Kolchinski, Sharon Zhou, Shengjia Zhao, **Mitchell L. Gordon**, Stefano Ermon. Approximating Human Judgment of Generated Image Quality. In *Proceedings of the 2019 NeurIPS Workshop on Shared Visual Representations in Human and Machine Intelligence.*

[18] Walter S. Lasecki, **Mitchell Gordon**, Jamie Teevan, Ece Kamar, Jeffrey P. Bigham. Preserving Privacy in Crowd-Powered Systems. In *Proceedings of the 2015 AAMAS Workshop on Human-Agent Interaction Design and Models (HAIDM 2015).*

Posters, Works in Progress, Demonstrations

[19] Jihyeon Lee, **Mitchell Gordon**, Maneesh Agrawala. Automatically Visualizing Audio Travel Podcasts. *In UIST 2017.*

[20] Jinyeong Yim, Jeel Jasani, Aubrey Henderson, Danai Koutra, Steven P Dow, Winnie Leung, Ellen Lim, **Mitchell Gordon**, Jeffrey P Bigham, Walter S Lasecki. Coding Varied Behavior Types Using the Crowd. *In CSCW 2016.*

[21] **Mitchell Gordon**, Jeffrey P. Bigham, Walter S. Lasecki. LegionTools: A Toolkit + UI for Recruiting and Routing Crowds to Synchronous Real-Time Tasks. *In UIST 2015.*

[22] **Mitchell Gordon**, Walter S. Lasecki, Winnie Leung, Ellen Lim, Steven P. Dow, Jeffrey P. Bigham. Glance Privacy: Obfuscating Personal Identity While Coding Behavioral Video. *In HCOMP 2014.*

[23] **Mitchell Gordon**. Web Accessibility Evaluation with the Crowd: Using Glance to Rapidly Code User Testing Video. *In ASSETS 2014.* **2nd place at ACM Grand Finals SRC, 1st place at ASSETS SRC.**

[24] Walter S. Lasecki, **Mitchell Gordon**, Steven P. Dow, Jeffrey P. Bigham. Glance: Enabling Rapid Interactions with Data Using the Crowd. *In CHI 2014.*

[25] Daniel Scarafoni, **Mitchell Gordon**, Walter S. Lasecki, Jeffrey P. Bigham. Comparing Human and Automated Agents in a Coordinated Navigation Domain. *In University of Rochester Undergraduate Research Exposition 2014 and University of Rochester Technical Report #989.* **Professors' Choice Award.**

Teaching

Spring 2023   Course Assistant, CS 278: Social Computing, Stanford University.
Spring 2021   Course Assistant, CS 278: Social Computing, Stanford University.
Spring 2014   Workshop Leader, CSC 171: Science of Programming, University of Rochester.
Fall 2013   Teaching Assistant, CSC 171: Science of Programming, University of Rochester.

Reviewing

CHI PAPERS AC	2023
UIST POSTERS AC	2023
CHI	2017 – 2023
ACM CSCW	2017, 2020 – 2023
NEURIPS	2021 – 2022
ICLR	2022 – 2023
ICML	2022
NAACL HCI + NLP WORKSHOP (PC MEMBER)	2022
WWW / THEWEBCONF (PC MEMBER)	2018 – 2020
UIST	2017 – 2019
SCIENTIFIC DATA (NATURE)	2019
VLDB	2019
HUMAN–COMPUTER INTERACTION (JOURNAL)	2018
DIS	2017
HCOMP	2017, 2023

University and Departmental Service

2021   HCI co-chair, PhD admit day, Stanford computer science department

2020 – 2021	Member, PhD advisory council, Stanford computer science department
2019 – 2021	Social events co-chair, Stanford HCI group. Organized lab-wide 50+ person winter retreat.
2019 – 2020	Computer science department representative, Wellness Information Network for Graduate Students (WINGS), Stanford School of Engineering
2019 – 2020	HCI seminar organizer, Stanford HCI group
2019 – 2020	PhD liaison to the faculty, Stanford computer science department

Students Mentored

Ph.D. (non-advisees)
[1]   Jordan Troutman
[2]   Michelle Lam
[3]   Joon Sung Park
[4]   Kaitlyn Zhou

Undergraduate
[5]   Joyce Chen
[6]   Wanrong He
[7]   Fern Limprayoon
[8]   Gabby Wright
[9]   Eric Frankel
[10] Jihyeon (Janel) Lee