

Nikola Banovic, Ph.D.

Curriculum Vitae

May 2024

Assistant Professor, Electrical Engineering and Computer Science
University of Michigan, Ann Arbor
BBB, 2260 Hayward Street, Ann Arbor, MI 48109

Email: nbanovic@umich.edu
Web: <http://www.nikolabanovic.net>

EDUCATION

Ph.D. in Human-Computer Interaction 09/2012 – 08/2018
Human-Computer Interaction Institute
School of Computer Science
Carnegie Mellon University, Pittsburgh, PA, USA
Thesis: *Computational Method for Understanding Complex Human Routine Behaviors*
Thesis Committee: Prof. Anind K. Dey (Co-chair), Prof. Jennifer Mankoff (Co-chair),
Prof. Aniket Kitur, Dr. Eric Horvitz

Master of Science 09/2010 – 03/2012
Department of Computer Science
University of Toronto, Toronto, Ontario, Canada
Thesis: *Escape-Keyboard: A Sight-free Text Entry Method for Mobile Touch-screen Devices*
Thesis Advisor: Prof. Khai N. Truong

Honours Bachelor of Science 09/2006 – 06/2010
Department of Computer Science
University of Toronto, Toronto, Ontario, Canada
Graduated with High Distinction

Associate in Arts 01/2001 – 06/2004
Computer Science and Information Systems Department
Santa Monica College, Santa Monica, CA, USA
Graduated with Honors

GRANTS, FELLOWSHIPS, AND AWARDS

CAREER: Achieving Explainable AI through Human-AI Interaction (PI; NSF; \$582,031) 2023-2028

Decision-Making with Uncertainty for DoD Installations under Climate Change Impacts on Flood Risks (Co-I; ONR; \$7,500,000) 2023-2028

Detecting and Countering Untrustworthy AI through AI Literacy (PI; MIDAS; \$75,000) 2023-2024

Human-AI Collaborations to Improve Accuracy and Mitigate Bias in Acute Dyspnea Diagnosis (Co-I; NIH; \$2,758,838) 2022-2025

Predicting Single Cell Behavior (Co-I; W. M. Keck Foundation; \$1,000,000) 2022-2024

Learning from the Unseen Experience of Expert Users to Support Machine-aided Decision-making (PI; Toyota Research Institute; \$975,000) 2021-2024

Practical and Optimal Sequential Bayesian Experimental Design for Complex Systems Incorporating Human Experimenter Preferences (Co-PI; Department of Energy; \$970,822) 2020-2023

EAGER: SaTC-EDU: Identifying Educational Conceptions and Challenges in Cybersecurity and AI (Co-I; NSF; \$300,000) 2020-2023

Amazon Alexa Prize Semi-finalist	2020
Modeling and Understanding Human-Machine Teaming and Decision Making (PI; Toyota Research Institute; \$100,000)	2019-2021
Delivering personalization through ML models using temporal data from consumer/product interactions (PI; Proctor and Gamble; \$100,000)	2018-2019
Honorable Mention Award (CHI '17)	2017
Honorable Mention Award (CHI '16)	2016
Yahoo! Fellow	2015
Honorable Mention Award (MobileHCI '15)	2015
Best Paper Award (MobileHCI '14)	2014
NSERC Post-graduate Scholarship	2013-2016
Wolfond Scholarship in Wireless Information Technology	2010
NSERC Undergraduate Student Research Award	2009

PUBLICATIONS

Journal Articles (Peer Reviewed)

- [J.12] Patrick C. Kinnunen, Kenneth K. Y. Ho, Siddhartha Srivastava, Chengyang Huang, Wanggang Shen, Krishna Garikipati, Gary D. Luker, Nikola Banovic, Xun Huan, Jennifer J. Linderman, and Kathryn E. Luker. 2024. Integrating inverse reinforcement learning into data-driven mechanistic computational models: a novel paradigm to decode cancer cell heterogeneity. *Frontiers in Systems Biology* 4 (2024), 10 pages.
- [J.11] Sarah Jabbour, David Fouhey, Stephanie Shepard, Thomas S. Valley, Ella A. Kazerooni, Nikola Banovic, Jenna Wiens, Michael W. Sjoding. 2023. Measuring the Impact of AI in the Diagnosis of Hospitalized Patients: A Randomized Clinical Vignette Survey Study. In *JAMA* 2023, 330 (23), 10 pages.
- [J.10] Nikola Banovic, Zhuoran Yang, Aditya Ramesh, and Alice Liu. 2023. Being Trustworthy is Not Enough: How Untrustworthy Artificial Intelligence (AI) Can Deceive the End-Users and Gain Their Trust. *PACM HCI*, 7, CSCW1, (April 2023), 17 pages.
- [J.9] Anindya Das Antar, Anna Kratz, and Nikola Banovic. 2023. Behavior Modeling Approach for Forecasting Physical Functioning of People with Multiple Sclerosis. *Proc. ACM Interact. Mob. Wearable Ubiquitous Technol.* 7, 1, Article 7 (March 2023), 29 pages.
- [J.8] Snehal Prabhudesai, Jeremiah Hauth, Dingkun Guo, Arvind Rao, Nikola Banovic, and Xun Huan. 2023. Lowering the Computational Barrier: Partially Bayesian Neural Networks for Transparency in Medical Imaging AI. *Frontiers in Computer Science Human-Media Interaction*, 22 pages.
- [J.7] Xincheng Huang, Keylonnie Miller, Alanson Sample, and Nikola Banovic. 2022. StructureSense: Inferring Constructive Assembly Structures from User Behaviors. *Proc. ACM Interact. Mob. Wearable Ubiquitous Technol.* 6, 4, Article 204 (December 2022), 25 pages.
- [J.6] Tahera Hossain, Wanggang Shen, Anindya Das Antar, Snehal Prabhudesai, Sozo Inoue, Xun Huan, and Nikola Banovic. 2022. A Bayesian Approach for Quantifying Data Scarcity when Modeling Human Behavior via Inverse Reinforcement Learning. *ACM Trans. Comput.-Hum. Interact.*

- [J.5] Sumit Asthana, Sabrina Tobar Thommel, Aaron Halfaker, and Nikola Banovic. 2021. Automatically Labeling Low Quality Content on Wikipedia by Leveraging Patterns in Editing Behavior. *PACM HCI*, 5, CSCW2, Article 359 (October 2021), 23 pages.
- [J.4] Snehal Prabhudesai, Nicholas Chandler Wang, Vinayak Ahluwalia, Xun Huan, Jayapalli Rajiv Bapuraj, Nikola Banovic, and Arvind Rao. 2021. Stratification by Tumor Grade Groups in a Holistic Evaluation of Machine Learning for Brain Tumor Segmentation. *Frontiers in Neuroscience* 15 (2021), 1236, 21 pages.
- [J.3] Nel Escher and Nikola Banovic. 2020. Exposing Error in Poverty Management Technology: A Method for Auditing Government Benefits Screening Tools. *PACM HCI*, 4, CSCW1, Article 64 (May 2020), 20 pages.
- [J.2] Nikola Banovic and John Krumm. 2017. Warming Up to Cold Start Personalization. *PACM Interact. Mob. Wearable Ubiquitous Technol.*, 1, 4, Article 124 (December 2017), 13 pages.
- [J.1] Nikola Banovic, Koji Yatani, and Khai N. Truong. 2013. Escape-Keyboard: A Sight-free One-handed Text Entry Method for Mobile Touch-screen Devices. *International Journal of Mobile Human Computer Interaction (IJMHCI)*, Volume 5, Issue 3, 42-61

Refereed Conference Papers (Main Proceedings)

- [C.20] Sumit Asthana, Jane Im, Zhe Chen, and Nikola Banovic. 2024. “I know even if you don’t tell me”: Understanding Users’ Privacy Preferences Regarding AI-based Inferences of Sensitive Information for Personalization. In *CHI Conference on Human Factors in Computing Systems (CHI ’24)*, May 11–16, 2024, Honolulu, HI, USA. ACM, New York, NY, USA, 21 pages.
- [C.19] Divya Ramesh, Caitlin Henning, Nel Escher, Haiyi Zhu, Min Kyung Lee, and Nikola Banovic. 2023. Ludification as a Lens for Algorithmic Management: A Case Study of Gig-Workers’ Experiences of Ambiguity in Instacart Work. In *Designing Interactive Systems Conference (DIS ’23)*, July 10–14, 2023, Pittsburgh, PA, USA. ACM, New York, NY, USA, 14 pages.
- [C.18] Jane Im, Ruiyi Wang, Weikun Lyu, Nick Cook, Hana Habib, Lorrie Faith Cranor, Nikola Banovic, Florian Schaub. 2023. Less is Not More: Improving Findability and Actionability of Privacy Controls for Online Behavioral Advertising. In *CHI Conference on Human Factors in Computing Systems (CHI ’23)*, April 23–18, 2023, Hamburg, Germany. ACM, New York, NY, USA, 40 pages.
- [C.17] Snehal Prabhudesai, Sumit Asthana, Leyao Yang, Xun Huan, Q. Vera Liao, and Nikola Banovic. 2023. Understanding Uncertainty: How Lay Decision-makers Perceive and Interpret Uncertainty in Human-AI Decision Making. In *Proceedings of the ACM Conference on Intelligent User Interfaces (IUI ’23)*, 30 pages.
- [C.16] Enhao Zhang and Nikola Banovic. 2021. Method for Exploring Generative Adversarial Networks (GANs) via Automatically Generated Image Galleries. In *CHI Conference on Human Factors in Computing Systems (CHI ’21)*, May 8–13, 2021, Yokohama, Japan. ACM, New York, NY, USA, 15 pages.
- [C.15] Nikola Banovic, Ticha Sethapakdi, Yasasvi Hari, Anind K. Dey, and Jennifer Mankoff. 2019. The Limits of Expert Text Entry Speed on Mobile Keyboards with Autocorrect. In *21st International Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI ’19)*. ACM, New York, NY, USA, 12 pages.
- [C.14] Rushil Kurana, Nikola Banovic, Kent Lyons. 2018. In Only 3 Minutes: Perceived Exertion Limits of Smartwatch Use. In *Proceedings of the 2018 ACM International Symposium on Wearable Computers (ISWC ’18)*. ACM, New York, NY, USA.

- [C.13] Qian Yang, Nikola Banovic, John Zimmerman. 2018. Mapping Machine Learning advances from HCI research to reveal starting places for design research. In *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems* (CHI '18). ACM, New York, NY, USA, Paper 130, 11 pages. [26% acceptance rate]
- [C.12] Nikola Banovic, Anqi Wang, Yanfeng Jin, Christie Chang, Julian Ramos, Anind K. Dey, and Jennifer Mankoff. 2017. Leveraging Human Routine Models to Detect and Generate Human Behaviors. In *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems* (CHI '17). ACM, New York, NY, USA, 6683-6694. [25% acceptance rate]
- [C.11] Nikola Banovic, Varun Rao, Abinaya Saravanan, Anind K. Dey, and Jennifer Mankoff. 2017. Quantifying Aversion to Costly Typing Errors in Expert Mobile Text Entry. In *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems* (CHI '17). ACM, New York, NY, USA, 4429-4241. [25% acceptance rate] **Honorable Mention Award**
- [C.10] Nikola Banovic, Tofi Buzali, Fanny Chevalier, Jennifer Mankoff, and Anind K. Dey. 2016. Modeling and Understanding Human Routine Behavior. In *Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems* (CHI '16). ACM, New York, NY, USA, 248-260. [22% acceptance rate] **Honorable Mention Award**
- [C.9] Karen Church, Denzil Ferreira, Nikola Banovic, and Kent Lyons. 2015. Understanding the Challenges of Mobile Phone Usage Data. In *Proceedings of the 17th International Conference on Human-Computer Interaction with Mobile Devices and Services* (MobileHCI '15). ACM, New York, NY, USA, 504-514. **Honorable Mention Award**
- [C.8] Nikola Banovic, Christina Brant, Jennifer Mankoff, and Anind K. Dey. 2014. ProactiveTasks: the Short of Mobile Device Use. In *Proceedings of the 16th international conference on Human-computer interaction with mobile devices and services* (MobileHCI '14). ACM, New York, NY, USA, 243-252. [28% acceptance rate] **Best Paper Award**
- [C.7] Christian Koehler, Nikola Banovic, Ian Oakley, Jennifer Mankoff, and Anind K. Dey. 2014. Introducing Indoor-ALP: An Adaptive Indoor Location Prediction System. In *Proceedings of the 2014 ACM international joint conference on Pervasive and ubiquitous computing* (UbiComp '14). ACM, New York, NY, USA, 171-181. [16% acceptance rate]
- [C.6] Nikola Banovic, Rachel L. Franz, Khai N. Truong, Jennifer Mankoff, and Anind K. Dey. 2013. Uncovering Information Needs for Independent Spatial Learning for Users who are Visually Impaired. In *Proc. of the 15th int. ACM SIGACCESS conf. on Comp. and access.* (ASSETS '13). ACM, New York, NY, USA, Article 24, 8 pages. [29% acceptance rate]
- [C.5] Nikola Banovic, Tovi Grossman, and George Fitzmaurice. 2013. The Effect of Time-based Cost of Error in Target-directed Pointing Tasks. In *Proceedings of the 2013 ACM annual conference on Human Factors in Computing Systems* (CHI '13). ACM, New York, NY, USA, 1373-1382. [20% acceptance rate]
- [C.4] Nikola Banovic, Tovi Grossman, Justin Matejka, and George Fitzmaurice. 2012. Waken: reverse engineering usage information and interface structure from software videos. In *Proceedings of the 25th annual ACM symposium on User interface software and technology* (UIST '12). ACM, New York, NY, USA, 83-92. [22% acceptance rate]
- [C.3] Nikola Banovic, Fanny Chevalier, Tovi Grossman, and George Fitzmaurice. 2012. Triggering triggers and burying barriers to customizing software. In *Proceedings of the 2012 ACM annual conference on Human Factors in Computing Systems* (CHI '12). ACM, New York, NY, USA, 2717-2726. [23% acceptance rate]

- [C.2] Koji Yatani, [Nikola Banovic](#), and Khai N. Truong. 2012. SpaceSense: representing geographical information to visually impaired people using spatial tactile feedback. In *Proceedings of the 2012 ACM annual conference on Human Factors in Computing Systems (CHI '12)*. ACM, New York, NY, USA, 415-424. [23% acceptance rate]
- [C.1] [Nikola Banovic](#), Frank Chun Yat Li, David Dearman, Koji Yatani, and Khai N. Truong. 2011. Design of unimanual multi-finger pie menu interaction. In *Proceedings of the ACM International Conference on Interactive Tabletops and Surfaces (ITS '11)*. ACM, New York, NY, USA, 120-129. [34% acceptance rate]

Workshops Organized

- [W.2] Kashyap Todi, Jean Vanderdonckt, Xiaojuan Ma, Jeffrey Nichols, and [Nikola Banovic](#). 2020. AI4AUI: Workshop on AI Methods for Adaptive User Interfaces. In *Proceedings of the 25th International Conference on Intelligent User Interfaces Companion (IUI '20)*. ACM, New York, NY, USA, 17-18.
- [W.1] [Nikola Banovic](#), Antti Oulasvirta, and Per Ola Kristensson. 2019. Computational Modeling in Human-Computer Interaction. In *Extended Abstracts of the 2019 CHI Conference on Human Factors in Computing Systems (CHI EA '19)*. ACM, New York, NY, USA, Paper W26, 7 pages.

Posters & Workshop Papers

- [P.6] Jane Im, [Nikola Banovic](#), and Florian Schaub. 2022. Designing and Building Social Platforms Grounded in Consent. In *Trust and Safety Research Conference*. September 29-30, 2022.
- [P.5] Snehal Prabhudesai, Jeremiah Hauth, Dingkun Guo, Arvind Rao, [Nikola Banovic](#), and Xun Huan. 2022. Partially Bayesian Neural Networks: Low-Cost Bayesian Uncertainty Quantification for Deep Learning in Medical Image Segmentation. In *2022 SIAM Conference on Uncertainty Quantification*, April 12 – 15, 2022.
- [P.4] Nel Escher, Jeffrey Bilik, Alexander Miller, Jennifer Jiyoung Huseby, Divya Ramesh, Alice Liu, Sam Mikell, Nina Cahill, Ben Green, [Nikola Banovic](#). 2022. Cod(e)ifying The Law. In *Programming Languages and the Law (Prolala) 2022*.
- [P.3] Nel Escher and [Nikola Banovic](#). 2020. Sensuous Visions of a Democratic Socialist Utopia: Translating Computer-Mediated Economic Plans into Speculative Artifacts. In *ACM CHI 2020 Workshop on Understanding the Past, Present, and Future of Design Fictions*.
- [P.2] Megh Marathe, Ting-Wei Chang, Lucky Chowdhury, Michelle L. Chung, Chia-Hsuan Su, YoonSeon Yi, [Nikola Banovic](#), Alanson Sample, Gabriela Marcu. 2019. Tedious versus taxing: Needs assessment in a pediatric feeding disorder clinic. In *Workgroup in Interactive Systems for Healthcare (WISH) Symposium*.
- [P.1] John Joon Young Chung, Fuhu Xiao, [Nikola Banovic](#), and Walter S. Lasecki. 2019. Towards Instantaneous Recovery from Autonomous System Failures via Predictive Crowdsourcing. In *The Adjunct Publication of the 32nd Annual ACM Symposium on User Interface Software and Technology (UIST '19)*. ACM, New York, NY, USA, 16-18.

Dissertation

- [D.1] [Nikola Banovic](#). 2018. *Computational Method for Understanding Complex Human Routine Behaviors*. Ph.D. Dissertation. Carnegie Mellon University, Pittsburgh, PA, USA.

Doctoral Consortium

- [DC.1] [Nikola Banovic](#). 2017. Method for Understanding Complex Human Routine Behaviors from Large Behavior Logs. In *Proceedings of the 2017 CHI Conference Extended Abstracts on Human Factors in Computing Systems (CHI EA '17)*. ACM, New York, NY, USA, 254-258.

Edited Books

- [B.1] John Williamson, Antti Oulasvirta, Per Ola Kristensson, and Nikola Banovic (Eds.). 2022. *Bayesian Methods for Interaction and Design*. Cambridge: Cambridge University Press.

Book Chapters

- [b.1] Nikola Banovic, Jennifer Mankoff, and Anind K. Dey. 2018. Computational Model of Human Routine Behaviours. In *Computational Interaction*, Antti Oulasvirta, Per Ola Kristensson, Xiaojun Bi, and Andrew Howes (Eds.). Oxford University Press. 22 pages.

Technical Reports

- [T.2] Chung Hoon Hong, Yuan Liang, Sagnik Sinha Roy, Arushi Jain, Vihang Agarwal, Ryan Draves, Zhizhuo Zhou, William Chen, Yujian Liu, Martha Miracky, Lily Ge, Nikola Banovic, and David Jurgens. 2020. Audrey: A Personalized Open-Domain Conversational Bot. CoRR abs/2011.05910 (2020). **Amazon Alexa Prize Semi-finalist.**
- [T.1] Julian Ramos, Zhen Li, Johana Rosas, Nikola Banovic, Jennifer Mankoff, and Anind K. Dey. 2016. Keyboard Surface Interaction: Making the keyboard into a pointing device. CoRR abs/1601.04029 (2016).

Invited Articles

- [A.1] Nikola Banovic. 2016. To Replicate or Not to Replicate? *GetMobile: Mobile Computing and Communications Review* 19, 4 (March 2016), 23-27.

Press

- [p.1] Study: Pa. benefits screening tool may be telling potential applicants they don't qualify. 2020. *Pittsburgh Post-Gazette*.

INVITED TALKS AND PANELS

Detecting and Countering Untrustworthy Artificial Intelligence (AI) DGP Seminar Series, University of Toronto, Canada	12/2023
Detecting and Countering Untrustworthy Artificial Intelligence (AI) Invited Lecture, ETH, Switzerland	12/2023
Detecting and Countering Untrustworthy Artificial Intelligence (AI) Distinguished Lecture Series, University of Virginia, USA	11/2023
Detecting and Countering Untrustworthy Artificial Intelligence (AI) Keynote at the AI & HCI Workshop (ICML 2023)	07/2023
Panel on AI shaping the future of Trust, Safety, Privacy & Security Human-Computer Interaction Consortium (HCIC 2023)	06/2023
Detecting and Countering Untrustworthy Artificial Intelligence (AI) Seminar Series, University of Glasgow, UK	05/2023
Interactive Human-centered Explainable Artificial Intelligence (XAI) UX@UM	03/2023
Explainability and Interpretability through Interaction 2021 ICIEV & IVPR Keynote Series	01/2021
Computational Modeling in Human-Computer Interaction Seminar Series on Data Science, University of Lisbon	11/2020
Computational Modeling in Human-Computer Interaction Joint 2019 ICIEV, IVPR, & ABC	06/2019
Computational Models of Human Behavior Dagstuhl Seminar on Computational Interactivity, Germany	06/2017

Human Data Driven Interfaces Computer Science Department, University of Toronto, Toronto, Canada	03/2017
Human Data Driven Interfaces Bosch Research and Technology Center, Pittsburgh, USA	12/2016
Streamlining Mobile Device Use DGP, Computer Science Department, University of Toronto, Toronto, Canada	08/2015
Streamlining Mobile Device Use DUB, University of Washington, Seattle, USA	07/2015

RELEVANT PROFESSIONAL EXPERIENCE

Assistant Professor, Electrical Engineering and Computer Science University of Michigan-Ann Arbor, Ann Arbor, USA	09/2018 – present
Graduate Research Assistant Carnegie Mellon University, Pittsburgh, USA	08/2012 – 08/2018
Machine Learning Intern Uber Advanced Technologies Center, Pittsburgh, USA Host: Jeff Schneider	05/2016 – 07/2016
Graduate Teaching Assistant Carnegie Mellon University, Pittsburgh, USA	08/2015 – 12/2015 08/2014 – 12/2014
Research Intern Microsoft Research, Redmond, USA Host: John Krumm	05/2015 – 08/2015
Research Intern Autodesk Research, Toronto, Canada Hosts: Tovi Grossman & George Fitzmaurice	01/2012 – 09/2012 05/2011 – 09/2011
Graduate Research Assistant University of Toronto, Toronto, Canada	09/2010 – 12/2011
Graduate Teaching Assistant University of Toronto, Toronto, Canada	09/2011 – 12/2011 01/2011 – 04/2011 09/2010 – 12/2010

TEACHING

Lecturer

Human-Computer Interaction, EECS 593 <i>University of Michigan, Ann Arbor, USA</i>	Fall 2020, 2021, 2022, 2023 Winter 2020
User Interface Development, EECS 493 <i>University of Michigan, Ann Arbor, USA</i>	Winter 2021, 2022, 2023
Modeling Human Behavior, EECS 498 <i>University of Michigan, Ann Arbor, USA</i>	Winter 2019
Computational Modeling in HCI, EECS 598 <i>University of Michigan, Ann Arbor, USA</i>	Fall 2018, 2019
Interactive Data Science, 05-839 <i>Carnegie Mellon University, Pittsburgh, USA</i>	Spring 2017

Conference Courses and Other Teaching

Interactive Explainable and Interpretable AI <i>7th Summer School on Computational Interaction</i>	June 2023
--	-----------

Explainable and Interactive AI <i>6th Summer School on Computational Interaction</i>	July 2022
Machine Learning Project Group Mentor <i>Big Data Summer Institute (BDSI) 2022</i>	Summer 2022
Machine Learning Project Group Mentor <i>Big Data Summer Institute (BDSI) 2021</i>	Summer 2021
Modeling Human Behavior via Inverse Reinforcement Learning <i>UbiComp 2019</i>	September 2019
Modeling Human Behavior via Inverse Reinforcement Learning <i>5th ACM Summer School on Computational Interaction</i>	July 2019
Computational Interaction with Bayesian Methods <i>CHI 2019</i>	May 2019
Teaching Assistant	
Software Structures for User Interfaces, 05-431 631 <i>Carnegie Mellon University, Pittsburgh, USA</i>	Fall 2015
User-Centered Research & Evaluation, 05-410 610 <i>Carnegie Mellon University, Pittsburgh, USA</i>	Fall 2014
CSC318: The Design of Interactive Computational Media <i>University of Toronto, Toronto, Canada</i>	Fall 2010, 2011 Spring 2011
Student Organization Mentorship	
Tech4Social Good (https://tech4socialgood.com/)	2020-2023

Current Advisees

PhD Candidates

Divya Ramesh
Nel Escher
Snehal Prabhudesai
Anindya Das Antar
Sumit Asthana
Jaewoong Choi

PhD Students

Tsedeniya Amare

Masters Students

Anmol Mansingh

Undergraduates

Matthew Conrad
Tavanya Seth
Ananya Kasi

Past Advisees

University of Michigan (UM)

Postdocs

Somayeh Molaei

Undergraduate Students

Zhe Chen
Trisha Dani
Tess Eschebach
Keylonnie Miller
Alice Liu
Sabrina Tobar
Thommel
Antara Gandhi
Ariel Vidrio
Jiankai Pu
Elise Minto
Yujian Liu
Yucen Sun
Nan Liu
Enhao Zhang
Alvin Hermans

Caitlin Henning
Ponette Rubio
Zhipeng Yan
Renee Li
Sam Mikell
Hannah Wick
Alex Miller
Gaurav Shekhawat
Leyao Yang
Ruiyi Wang
Weikun Lyu
Nick Cook
Nicholas Anthony
Dilan Huang
Yuan Xu
Rui Nie

Visitors

Tahera Hossain (PhD Student, Kyushu Institute of Technology)
Tsedeniya Amare (AURA)
Bruktawit Amare (AURA)
Daniel Ramirez (SURE, Uni. de Monterrey)
Shareni Ortega (SURE, Uni. de Monterrey)
Shruti Srinidhi (SURE, CMU)

PhD Candidates

Jane Im

Masters Students

Jaewoong Choi
Zhuoran "Jim" Yang
Xincheng Huang
Yujian Liu
Aditya Ramesh
Suraj Kiran Raman

Carnegie Mellon University (CMU)

Graduate Students

Masters

Ticha Sethapakdi

Jae-Won Kim

Tofi Buzali

Undergraduate Students

Rachel Franz

Xiaoshan Zhang

Christina Brant

Seo Hyun Choo

Christie Chang

Angie Wang

Yashasvi Hari

Jiayi Zhao

Zhongmin Xie

Visitors

Yanfeng “Tony” Jin (Summer intern)

Abinaya Saravanan (Summer intern)

Varun Rao (Summer intern)

Kavi Dey (Waldorf School)

PROFESSIONAL SERVICE

Associate Editor (AE)

PACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT). 2019-2023

Associate Chair (AC) / Program Committee (PC) Member

CHI Conference on Human Factors in Computing Systems (CHI 2018, CHI 2020-2024)

ACM Conference on Computer-Supported Cooperative Work And Social Computing (CSCW 2024)

ACM Conference on Fairness, Accountability and Transparency (FAccT 2022, 2023)

The ACM Symposium on User Interface Software and Technology (UIST 2020-2023)

Graphics Interface (GI '20)

The Web Conference (TheWebConf '20)

Visualization in Data Science (VDS 2018-2019)

Organizing Committees

CHI 2025 Workshops Co-chair

The 7th Summer School on Computational Interaction (CIX2023) Organizer

Ubicomp & ISWC 2021 Workshop and Tutorial Chair

UIST 2017 Publicity Chair

Ubicomp & ISWC 2017 Publicity Chair

Workshop Organizer

ACM IUI 2020 Workshop on AI Methods for Adaptive User Interfaces

ACM CHI 2019 Workshop on Computational Modeling in Human-Computer Interaction

University Service

University of Michigan

CSE Diversity, Equity, and Inclusion (DEI) Chair (2023-24)

The Weinberg Institute for Cognitive Science Undergraduate Committee Member (2022-23, 2023-24)

CSE Tenure Track Recruiting and Hosting Committee Member (2021-22, 2022-23)

Graduate Fellowship Workshop Organizer 2022-23

Explore Graduate Studies in CSE Workshop Organizer 2020, 2021, 2022

CSE Graduate Recruiting Committee Chair (2019-20, 2020-21)

CSE Graduate Admission Committee Member (2018-19, 2019-20)

CSE Faculty Seminar Series Chair (2018-19)

Reviewer

CHI 2011-2019 • MobileHCI 2011, 2013-2016, 2019 • UIST 2012-2016, 2018 • Int. Journal of HCI 2012-2013 • Pervasive Health 2014 • Human-Computer Interaction (Journal) 2014 • Pervasive and Mobile Computing 2015-2016 • Ubicomp 2015-2016 • CSCW 2016-2017, 2022, 2023 • IEEE Intelligent Systems 2016 • DIS 2017, 2019, 2020 • IMWUT 2017-2019 • ISWC 2017 • IEEE Pervasive Computing 2017 • IEEE Trans. On Mobile Computing 2018 • INTERACT 2019 • SIGGRAPH 2020, 2023 • TOCHI 2020-2021, 2023

Special Recognitions for Exceptional Reviews (number of recognized reviews in parenthesis)

CHI 2015 (1) • CHI 2016 (3) • CHI 2017 (1) • CHI 2019 (3) • CSCW 2017 (1) • INTERACT 2019 (1) • MobileHCI 2019 (1) • IMWUT 2017 (1) • Ubicomp 2016 (2) • UIST 2014 (1) • UIST 2016 (2)