Nikola Banovic, Ph.D.
Curriculum Vitae
August 2023

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 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	09/2012 – 08/2018
Master of Science 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	09/2010 – 03/2012
Honours Bachelor of Science Department of Computer Science University of Toronto, Toronto, Ontario, Canada *Graduated with High Distinction*	09/2006 – 06/2010
Associate in Arts Computer Science and Information Systems Department Santa Monica College, Santa Monica, CA, USA *Graduated with Honors*	01/2001 – 06/2004

GRANTS, FELLOWSHIPS, AND AWARDS

CAREER: Achieving Explainable AI through Human-AI Interaction (PI; NSF; $582,031)	2023-2027
Decision-Making with Uncertainty for DoD Installations under Climate Change Impacts on Flood Risks (Co-I; ONR; $7,500,000)	2023-2027
Detecting and Countering Untrustworthy AI through AI Literacy (PI; MIDAS; $75,000)	2023
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.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 <u>Nikola Banovic</u>. 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]   <u>Nikola Banovic</u> 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]   <u>Nikola Banovic</u>, 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.19]   Divya Ramesh, Caitlin Henning, Nel Escher, Haiyi Zhu, Min Kyung Lee, and <u>Nikola Banovic</u>. 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, <u>Nikola Banovic</u>, 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 <u>Nikola Banovic</u>. 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 <u>Nikola Banovic</u>. 2021. Method for Exploring Generative Adversarial Networks (GANs) via Automatically Generated Image Galleries. In *CHI Conference on Human Factors in Computing Systems (CHI '21), May8–13, 2021, Yokohama, Japan*. ACM, New York, NY, USA, 15 pages.

[C.15]   <u>Nikola Banovic</u>, 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, <u>Nikola Banovic</u>, 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, <u>Nikola Banovic</u>, 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]   <u>Nikola Banovic</u>, 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]   <u>Nikola Banovic</u>, 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) 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) 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	08/2015 – 12/2015
Carnegie Mellon University, Pittsburgh, USA	08/2014 – 12/2014
Research Intern	05/2015 – 08/2015
Microsoft Research, Redmond, USA	
Host: John Krumm	
Research Intern	01/2012 – 09/2012
Autodesk Research, Toronto, Canada	05/2011 – 09/2011
Hosts: Tovi Grossman & George Fitzmaurice	
Graduate Research Assistant	
University of Toronto, Toronto, Canada	09/2010 – 12/2011
Graduate Teaching Assistant	09/2011 – 12/2011
University of Toronto, Toronto, Canada	01/2011 – 04/2011
	09/2010 – 12/2010

TEACHING

Lecturer

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

Conference Courses and Other Teaching

Interactive Explainable and Interpretable AI	June 2023
7th Summer School on Computational Interaction	
Explainable and Interactive AI	July 2022
6th Summer School on Computational Interaction	
Machine Learning Project Group Mentor	Summer 2022
Big Data Summer Institute (BDSI) 2022	
Machine Learning Project Group Mentor	Summer 2021
Big Data Summer Institute (BDSI) 2021	
Modeling Human Behavior via Inverse Reinforcement Learning	September 2019
*Ubicomp 20*19	
Modeling Human Behavior via Inverse Reinforcement Learning	July 2019
5th ACM Summer School on Computational Interaction	
Computational Interaction with Bayesian Methods	May 2019
CHI 2019	

Teaching Assistant

Software Structures for User Interfaces, 05-431|631	Fall 2015
Carnegie Mellon University, Pittsburgh, USA	

User-Centered Research & Evaluation, 05-410|610   Fall 2014
Carnegie Mellon University, Pittsburgh, USA

CSC318: The Design of Interactive Computational Media   Fall 2010, 2011
University of Toronto, Toronto, Canada   Spring 2011

Student Organization Mentorship

Tech4Social Good (https://tech4socialgood.com/)   2020-2023

Current Advisees

Postdocs	*PhD Candidates*	*Masters Students*
Somayeh Molaei	Divya Ramesh	Anmol Mansingh
	Nel Escher	
	Snehal Prabhudesai	*Undergraduates*
	Anindya Das Antar	Trisha Dani
	Sumit Asthana	Tess Eschebach
	Jane Im	Matthew Conrad
		Tavanya Seth
	PhD Students	Rui Nie
	Jaewoong Choi	Zhe Chen
	Tsedenia Solomon	Ananya Kasi

Past Advisees

University of Michigan (UM)

Graduate Students	*Undergraduate Students*		*Visitors*
Masters	Keylonnie Miller	Ponette Rubio	Tahera Hossain (PhD Student, Kyushu Institute of Technology)
Jaewoong Choi	Alice Liu	Zhipeng Yan	
Zhuoran "Jim" Yang	Sabrina Tobar	Renee Li	Tsedenia Solomon (AURA)
Xincheng Huang	Thommel	Sam Mikell	Bruktawit Amare (AURA)
Yujian Liu	Antara Gandhi	Hannah Wick	Daniel Ramirez (SURE, Uni. de Monterrey)
Aditya Ramesh	Ariel Vidrio	Alex Miller	
Suraj Kiran Raman	Jiankai Pu	Gaurav Shekhawat	Shareni Ortega (SURE, Uni. de Monterrey)
	Elise Minto	Leyao Yang	Shruti Srinidhi (SURE, CMU)
	Yujian Liu	Ruiyi Wang	
	Yucen Sun	Weikun Lyu	
	Nan Liu	Nick Cook	
	Enhao Zhang	Nicholas Anthony	
	Alvin Hermans	Dilan Huang	
	Caitlin Henning	Yuan Xu	

Carnegie Mellon University (CMU)

Graduate Students	*Undergraduate Students*		*Visitors*
Masters	Rachel Franz	Angie Wang	Yanfeng "Tony" Jin (Summer intern)
Ticha Sethapakdi	Xiaoshan Zhang	Yashasavi Hari	Abinaya Saravanan (Summer intern)
Jae-Won Kim	Christina Brant	Jiayi Zhao	Varun Rao (Summer intern)
Tofi Buzali	Seo Hyun Choo	Zhongmin Xie	Kavi Dey (Waldorf School)
	Christie Chang		

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
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
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)