Xiaojun Bi

Professor (Effective September 2026)
Department of Computer Science
Stony Brook University
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(As of March 2026)

1. Research Interests

Human Computer Interaction with an emphasis on AI-powered input technologies and input modeling.

2. Professional Appointments

Sep. 2026 –	**Professor**	Department of Computer Science, Stony Brook University
2022 – 2026	**Associate Professor**	Department of Computer Science, Stony Brook University
2017 – 2022	**Assistant Professor**	Department of Computer Science, Stony Brook University
2012 – 2016	**Research Scientist**	Google LLC., Mountain View, USA
2011 – 2012	**Postdoctoral Research Scientist**	Google LLC., Mountain View, USA

3. Education

2006 – 2011 **Ph.D. in Computer Science**, University of Toronto, Toronto, Canada
Supervisor: Prof. Ravin Balakrishnan
2003 – 2006 **M.S. in Computer Science**, Tsinghua University, Beijing, China
1999 – 2003 **B.S. in Automation**, Tsinghua University, Beijing, China

4. Selected Honors and Awards

Awards for Research Papers (10)

- 2011 ACM CHI Best Paper Honorable Mention Award [9]
- 2013 Google Influential Paper Award [14]
- 2015 ACM CHI Best Paper Honorable Mention Award [17]
- 2017 ACM CHI Best Paper Honorable Mention Award [24]
- 2018 ACM ISS Best Paper Honorable Mention Award [25]
- 2018 ACM CHI Best Paper Honorable Mention Award [29]
- 2019 ACM CHI Best Paper Honorable Mention Award [34]
- 2019 ACM UIST Best Paper Award [31]
- 2020 ACM UIST Best Paper Honorable Mention Award [41]
- 2023 ACM CHI Best Paper Honorable Mention Award [58]

Highlights of Research Grants (Details in Section 6, pages 10 - 12)

13 Awarded Grants | Total: ~$4,700,000 | PI for 8 Grants: ~$2,500,000

- 2024 NIH R01 / National Eye Institute (PI) $1,240,771
- 2023 Google Award for Inclusion Research (PI)
- 2021 NSF DARE Award “Bayesian-centric Multimodal Hands-free Computer Interaction” (PI)
- 2018 NSF Award “Establishing Action Laws for Touch Interaction” (Sole-PI)
- 2018 Google Faculty Research Award (Sole-PI)
- 2017 Google Faculty Research Award (Sole-PI)

5. Publications

Number of Publications in Top HCI Conferences: **59 (CHI: 40, UIST: 17, IMWUT: 2)**

Year (Total)	2026 (3)	2025 (5)	2024 (3)	2023 (4)	2022 (4)	2021 (4)	2020 (4)	2019 (7)	2018 (4)	2017 (3)	2016 (3)	2015 (2)
CHI (40)	3	3	1	3	2	1	2	6	3	2	2	2
UIST (17)		1	1	1	2	3	2	1	1	1	1	
IMWUT (2)		1	1									

	2014 (1)	2013 (3)	2012 (3)	2011 (2)	2010 (2)	2009 (1)	2008 (1)
CHI	1	2	2	2	2	1	
UIST		1	1				1

My students/advisees are underlined.

Conference Publications

[73] CHI 2026 Tony Li, Yan Ma, Zhuojun Li, Chun Yu, IV Ramakrishnan, **Xiaojun Bi** (2025) "KeySense: LLM-Powered Hands-Down, Ten-Finger Typing on Commodity Touchscreens". In *Proceedings of CHI 2026 - the SIGCHI Conference on Human Factors in Computing Systems*. 16 pages. Accepted.

[72] CHI 2026 Monalika Padma Reddy, Aruna Balasubramanian, Jiawei Zhou, **Xiaojun Bi**, IV Ramakrishnan, Vikas Ashok (2025) "Lost in Instructions: Study of Blind Users' Experiences with DIY Manuals and AI-Rewritten Instructions for Assembly, Operation, and Troubleshooting of Tangible Products". In *Proceedings of CHI 2026 - the SIGCHI Conference on Human Factors in Computing Systems*. 28 pages. Accepted.

[71] CHI 2026 Satwik Ram Kodandaram, Jiawei Zhou, **Xiaojun Bi**, IV Ramakrishnan, Vikas Ashok (2025) "Finding the Signal in the Noise: An Exploratory Study on Assessing the Effectiveness of AI and Accessibility Forums for Blind Users' Support Needs". In *Proceedings of CHI 2026 - the SIGCHI Conference on Human Factors in Computing Systems*. 20 pages. Accepted.

[70] UIST 2025 Dan Zhang, Yang Ma, Glenn Dausch, William H. Seiple, Xianfeng David Gu, IV Ramakrishnan, **Xiaojun Bi** (2025), "Enabling Auto-Correction on Soft Braille Keyboard". In *Proceedings of UIST 2025 - The ACM Symposium on User Interface Software and Technology.* 15 pages. Accepted.

[69] CHI 2025 Yan Ma, Dan Zhang, IV Ramakrishnan, **Xiaojun Bi** (2025) "LLM Powered Text Entry Decoding and Flexible Typing on Smartphones". In *Proceedings of CHI 2025 - the SIGCHI Conference on Human Factors in Computing Systems*. Article No.: 728, Pages 1 - 14.

[68] CHI 2025 Maozheng Zhao, Michael Xuelin Huang, Nathan G Huang, Henry Huang, Henry Huang, Shanqing Cai, Shumin Zhai, IV Ramakrishnan, **Xiaojun Bi** (2025) "Tap&Say: Touch Location-Informed Large Language Model for Multimodal Text Correction on Smartphones". In *Proceedings of CHI 2025 - the SIGCHI Conference on Human Factors in Computing Systems*. Article No.: 649, Pages 1 - 17.

[67] CHI 2025 Hyunchul Lim, Nam Anh Dang, Dylan Lee, Tianhong Catherine Yu, Jane Lu, Franklin Mingzhe Li, Yiqi Jin, Yan Ma, **Xiaojun Bi**, Francois Guimbretiere, Cheng Zhang (2025) "SpellRing: Recognizing Continuous Fingerspelling in American Sign

Language using a Ring". In *Proceedings of CHI 2025 - the SIGCHI Conference on Human Factors in Computing Systems.* Article No.: 67, Pages 1 - 17.

[66] IMWUT'25 Hang Zhao, Kaiyan Ling, IV Ramakrishnan, Guy J. Schwartz, **Xiaojun Bi** (2025) "Modeling Mouse-based Pointing and Steering Tasks for People with Parkinson's Disease". In *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT'25).* Article No.: 26, Pages 1 - 24

[65] UIST 2024 Dan Zhang, Zhi Li, Vikas Ashok, William H. Seiple, IV Ramakrishnan, **Xiaojun Bi** (2024), "Accessible Gesture Typing on Smartphones for People with Low Vision". In *Proceedings of UIST 2024 - The ACM Symposium on User Interface Software and Technology.* Article No.: 86. Pages 1-11.

[64] IMWUT'24 Kaiyan Ling, Hang Zhao, Xiangmin Fan, Xiaohui Niu, Wenchao Yin, Yue Liu, Cui Wang, **Xiaojun Bi** (2024) " Model Touch Pointing and Detect Parkinson's Disease via a Mobile Game ". In *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT'24).* Article No.: 74. Pages 1-24.

[63] CHI 2024 Prerna Khanna, IV Ramakrishnan, Shubham Jain, **Xiaojun Bi,** Aruna Balasubramanian (2024) " Hand Gesture Recognition for Blind Users by Tracking 3D Gesture Trajectory". In *Proceedings of CHI 2024 - the SIGCHI Conference on Human Factors in Computing Systems.* Article No.: 405. Pages 1 -15.

[62]ASSETS 2024 Satwik Ram Kodandaram, Utku Uckun, **Xiaojun Bi,** IV Ramakrishnan, Vikas Ashok(2024) "Enabling Uniform Computer Interaction Experience for Blind Users through Large Language Models". In *Proceedings of ASSETS 2024 - The 26th International ACM SIGACCESS Conference on Computers and Accessibility.* Article No.: 73. Pages 1-14.

[61] UIST 2023 Jeremy Chu, Yan Ma, Shumin Zhai, Xianfeng David Gu, **Xiaojun Bi** (2023) " TouchType-GAN: Modeling Touch Typing with Generative Adversarial Network ". In *Proceedings of UIST 2023 - The ACM Symposium on User Interface Software and Technology.* Article No.: 29. Pages 1–13

[60] CHI 2023 Zhi Li, Yu-Jung Ko, Aini Putkonen, Shirin Feiz, Vikas Ashok, IV Ramakrishnan, Antti Oulasvirta, **Xiaojun Bi** (2023) " Modeling Touch-based Menu Selection for Blind Users ". In *Proceedings of CHI 2023 - the SIGCHI Conference on Human Factors in Computing Systems.* Article No.: 357. Pages 1-18.

[59] CHI 2023 Wenzhe Cui*, Rui Liu*, Zhi Li, Yifan Wang, Andrew Wang, Xia Zhao, Sina Rashidian, Furqan Baig, IV Ramakrishnan, Fusheng Wang, **Xiaojun Bi** (2023) "GlanceWriter: Writing Text by Glancing Over Letters with Gaze". In *Proceedings of CHI 2023 - the SIGCHI Conference on Human Factors in Computing Systems.* 20 pages. Article No.: 719. Pages 1-13. *Co-First authors ordered alphabetically.

[58] CHI 2023 Jeremy Chu, Dongsheng An, Yan Ma, Wenzhe Cui, Shumin Zhai, Xianfeng David Gu, **Xiaojun Bi** (2023) " WordGesture-GAN: Modeling Word-Gesture Movement with Generative Adversarial Network ". In *Proceedings of CHI 2023 - the SIGCHI Conference on Human Factors in Computing Systems.* Article No.: 287. Pages 1-15.
Best Paper Honorable Mention Award

[57] MobiCom 2023 Prerna Khanna, Shirin Feiz, Jian Xu, IV Ramakrishnan, Shubham Jain, **Xiaojun Bi,** and Aruna Balasubramanian. (2023) " AccessWear: Making Smartphone Applications Accessible to Blind Users ". In Proceedings of MobiCom'23 - the 29th Annual International Conference on Mobile Computing and Networking. Article No.: 32. Pages 1-16.

[56] UIST 2022 Hang Zhao, Sophia Gu, Chun Yu, **Xiaojun Bi** (2022), "Bayesian Hierarchical Pointing Models". In *Proceedings of UIST 2022 - The ACM Symposium on User Interface Software and Technology.* Article No.: 87. Pages 1 - 13

[55] UIST 2022 Zheer Xu, Yankang Meng, **Xiaojun Bi**, Xing-Dong Yang (2022), "Phrase-Gesture Typing on Smartphones". In *Proceedings of UIST 2022 - The ACM Symposium on User Interface Software and Technology.* Article No.: 55, pages 1- 11

[54] CHI 2022 Zhi Li, Maozheng Zhao, Dibyendu Das, Hang Zhao, Yan Ma, Wanyu Liu, Michel Beaudouin-Lafon, Fusheng Wang, IV Ramakrishnan **Xiaojun Bi** (2022) "Select or Suggest? Reinforcement Learning-based Method for High-Accuracy Target Selection on Touchscreens". In *Proceedings of CHI 2022 - the SIGCHI Conference on Human Factors in Computing Systems.* Article No. 494. Pages 1 – 15.

[53] CHI 2022 Lihang Pan, Chun Yu, JiaHui Li, Tian Huang, **Xiaojun Bi**, Yuanchun Shi. (2022) "Automatically Generating and Improving Voice Command Interface from Operation Sequences on Smartphones". In *Proceedings of CHI 2022 - the SIGCHI Conference on Human Factors in Computing Systems.* 21 pages. Article No. 208. Pages 1 – 21.

[52] IUI 2022 Maozheng Zhao, Henry Huang, Zhi Li, Rui Liu, Wenzhe Cui, Kajal Toshniwal, Ananya Goel, Andrew Wang, Xia Zhao, Sina Rashidian, Furqan Baig, Khiem Phi, Shumin Zhai, I.V. Ramakrishnan, Fusheng Wang, and **Xiaojun Bi** (2022) "EyeSayCorrect: Eye Gaze and Voice Based Hands-free Text Correction for Mobile Devices". In *Proceedings of IUI 2022 - 27th Annual Conference on Intelligent User Interfaces.* Pages 470 - 482

[51] UIST 2021 Michael Wang*, Hang Zhao*, Xiaolei Zhou, Xiangshi Ren, **Xiaojun Bi** (2021) "Variance and Distribution Models for Steering Tasks". In *Proceedings of UIST 2021 - The ACM Symposium on User Interface Software and Technology.* 1122 - 1143. * Co-first authors.

[50] UIST 2021 Maozheng Zhao, Wenzhe Cui, IV Ramakrishnan, Shumin Zhai, **Xiaojun Bi** (2021) "Integrated Voice and Touch Based Multimodal Text Editing Techniques for Smartphones.". In *Proceedings of UIST 2021 - The ACM Symposium on User Interface Software and Technology.* 162 - 178.

[49] UIST 2021 Yan Ma, Shumin Zhai, IV Ramakrishnan, **Xiaojun Bi** (2021) " Modeling Touch Point Distribution with Rotational Dual Gaussian Model.". In *Proceedings of UIST 2021 - The ACM Symposium on User Interface Software and Technology.* 1197 - 1209.

[48] CHI 2021 Wenzhe Cui, Suwen Zhu, Zhi Li, Zheer Xu, Xing-Dong Yang, IV Ramakrishnan, **Xiaojun Bi** (2021) "BackSwipe: Back-of-device Word-Gesture Interaction on Smartphones.". In *Proceedings of CHI 2021 - the SIGCHI Conference on Human Factors in Computing Systems.* Article 196, 1–12.

[47] CCHI2021  Yu-Jung Ko, Hang Zhao, IV Ramakrishnan, Shumin Zhai, Xiaojun Bi (2021) "Issues Related to Using Finger-Fitts law to Model One-Dimensional Touch Pointing Tasks". In *The Ninth International Symposium of Chinese CHI (Chinese CHI 2021).* 41 - 49. **Best Paper Honorable Mention Award**

[46] GI 2021 Zhi Li, Maozheng Zhao, Yifan Wang, Sina Rashidian, Furqan Baig, Rui Liu, Wanyu Liu, Michel Beaudouin-Lafon, Brooke Ellison, Fusheng Wang, IV. Ramakrishnan, **Xiaojun Bi** (2021) "BayesGaze: A Bayesian Approach to Eye-Gaze Based Target Selection.". In *Proceedings of Graphics Interface 2021*. Virtual Event, 28 - 29 May 2021, 231 – 240.

[45] GI 2021 Shirin Feiz, Anatoliy Borodin, **Xiaojun Bi,** IV. Ramakrishnan, (2021) " Towards Enabling Blind People to Fill Out Paper Forms with a Wearable Smartphone Assistant." In *Proceedings of Graphics Interface 2021*. Virtual Event, 28 - 29 May 2021, 156 - 165.

[44]MobileHCI 2021 Yu-Jung Ko, Aini Putkonen, Ali Selman Aydin, Shirin Feiz, Yuheng Wang, Vikas Ashok, IV Ramakrishnan, Antti Oulasvirta, **Xiaojun Bi** (2021) " Modeling Gliding-based Target Selection for Blind Touchscreen Users" In *Proceedings of MobileHCI 2021- The ACM Conference on Human computer interaction with Mobile Devices and Services.* Article No. 29 pp 1- 14.

[43]MobileHCI 2021 Luis Leiva, Sunjun Kim, Wenzhe Cui, **Xiaojun Bi** Antti Oulasvirta (2021) " How We Swipe: A Large-scale Shape-writing Dataset and Empirical Findings" In *Proceedings of MobileHCI 2021- The ACM Conference on Human computer interaction with Mobile Devices and Services.* Article No. 11. pp 1 - 13.

[42] UIST 2020 Wenzhe Cui, Suwen Zhu, Mingrui Ray Zhang, H. Andrew Schwartz, Jacob O. Wobbrock, **Xiaojun Bi** (2020) "JustCorrect: Intelligent Post Hoc Text Correction Techniques on Smartphones.". In *Proceedings of UIST 2020 - The ACM Symposium on User Interface Software and Technology.* 487– 499.

[41] UIST 2020 Yu-Jung Ko, Hang Zhao, Yoonsang Kim, IV Ramakrishnan, Shumin Zhai, **Xiaojun Bi** (2020) "Modeling Two Dimensional Touch Pointing.". In *Proceedings of UIST 2020 - The ACM Symposium on User Interface Software and Technology.* 858 – 868. **Best Paper Honorable Mention Award**

[40] CHI 2020 Suwen Zhu, Yoonsang Kim, Jingjie Zheng, Jennifer Yi Luo, Ryan Qin, Liuping Wang, Xiangmin Fan, Feng Tian, **Xiaojun Bi** (2020) "Using Bayes' Theorem for Command Input: Principle, Models, and Applications.". In *Proceedings of CHI 2020 - the SIGCHI Conference on Human Factors in Computing Systems.* 1 – 15.

[39] CHI 2020 Xin Yi, Chen Wang, **Xiaojun Bi**, Yuanchun Shi (2020) "PalmBoard: Leveraging Implicit Touch Pressure in Statistical Decoding for Indirect Text Entry.". In *Proceedings of CHI 2020 - the SIGCHI Conference on Human Factors in Computing Systems.* 1 – 13.

[38]MobileHCI 2020 Conor Kelton, Jihoon Ryoo, Aruna Balasubramanian, **Xiaojun Bi**, Samir R Das (2020) "Modeling User-Centered Page Load Time for Smartphones" In *Proceedings of MobileHCI 2020- The ACM Conference on Human computer interaction with Mobile Devices and Services.* 1 – 12.

[37] CHI 2019 Wenzhe Cui, Jingjie Zheng, Blaine Lewis, Daniel Vogel, and **Xiaojun Bi.** 2019. HotStrokes: Word-Gesture Shortcuts on a Trackpad. In *Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI '19).* ACM, New York, NY, USA, Paper 165, 13 pages.

[36] CHI 2019 Suwen Zhu, Jingjie Zheng, Shumin Zhai, and **Xiaojun Bi.** 2019. i'sFree: Eyes-Free Gesture Typing via a Touch-Enabled Remote Control. In *Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI '19).* Paper 448, 12 pages.

[35] CHI 2019 Syed Masum Billah, Yu-Jung Ko, Vikas Ashok, **Xiaojun Bi**, and IV Ramakrishnan. 2019. Accessible Gesture Typing for Non-Visual Text Entry on Smartphones. In *Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI '19).* Paper 376, 12 pages.

[34] CHI 2019 Weinan Shi, Chun Yu, Shuyi Fan, Feng Wang, Tong Wang, Xin Yi, **Xiaojun Bi,** and Yuanchun Shi. 2019. VIPBoard: Improving Screen-Reader Keyboard for Visually Impaired People with Character-Level Auto Correction. In *Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI '19).* Paper 517, 12 pages. **Best Paper Honorable Mention Award**

[33] CHI 2019 Feng Tian, Xiangmin Fan, Junjun Fan, Yicheng Zhu, Jing Gao, Dakuo Wang, **Xiaojun Bi,** and Hongan Wang. 2019. What Can Gestures Tell?: Detecting Motor Impairment in Early Parkinson's from Common Touch Gestural Interactions. In *Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI '19).* Paper 83, 14 pages

[32] CHI 2019 Yiqin Lu, Chun Yu, Shuyi Fan, **Xiaojun Bi,** and Yuanchun Shi. 2019. Typing on Split Keyboards with Peripheral Vision. In *Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI '19).* Paper 200, 12 pages

[31] UIST 2019  Zheer Xu, Pui Chong Wong, Jun Gong, Te-Yen Wu, Aditya Shekhar Nittala, **Xiaojun Bi,** Jürgen Steimle, Hongbo Fu, Kening Zhu, Xing-Dong Yang 2019. TipText: Eyes-Free Text Entry on a Fingertip In *Proceedings of the 32th Annual ACM Symposium on User Interface Software and Technology (UIST '19).* 10 pages. **Best Paper Award**

[30] CHI 2018 Suwen Zhu, Tianyao Luo, **Xiaojun Bi**, and Shumin Zhai. 2018. Typing on an Invisible Keyboard. In *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems (CHI '18).* ACM, New York, NY, USA, Paper 439, 13 pages.

[29] CHI 2018  Jun Gong, Zheer Xu, Qifan Guo, Teddy Seyed, Xiang 'Anthony' Chen, **Xiaojun Bi**, and Xing-Dong Yang. 2018. WrisText: One-handed Text Entry on Smartwatch using Wrist Gestures. In *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems (CHI '18).* Paper 181, 14 pages. **Best Paper Honorable Mention Award**

[28] CHI 2018 Jingjie Zheng, **Xiaojun Bi**, Kun Li, Yang Li, and Shumin Zhai. 2018. M3 Gesture Menu: Design and Experimental Analyses of Marking Menus for Touchscreen Mobile Interaction. In *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems (CHI '18).* Paper 249, 14 pages.

[27] UIST 2018 Jian Xu, Suwen Zhu, Aruna Balasubramanian*, **Xiaojun Bi***, Roy Shilkrot* (2018) "Ultra-Low-Power Mode for Screenless Mobile Interaction". In *Proceedings of UIST 2018 - The ACM Symposium on User Interface Software and Technology.* 557 – 568 (* alphabetical order).

[26] ASSETS 2018 Yu-Hao Lin, Suwen Zhu, Yu-Jung Ko, Wenzhe Cui, **Xiaojun Bi**, 2018 "Why Is Gesture Typing Promising for Older Adults? Comparing Gesture and Tap Typing Behavior of Older with Young Adults". In *Proceedings of ASSETS 2018 - The 20th International ACM SIGACCESS Conference on Computers and Accessibility.* 271 – 281.

[25] ISS 2018  Ryan Qin, Suwen Zhu, Yu-Hao Lin, Yu-Jung Ko, and **Xiaojun Bi**. 2018. Optimal-T9: An Optimized T9-like Keyboard for Small Touchscreen Devices. In *Proceedings of the 2018 ACM International Conference on Interactive Surfaces and Spaces (ISS '18).* 137-146. **Best Paper Honorable Mention Award**

[24] CHI 2017  Xin Yi, Chun Yu, Weijie Xu, **Xiaojun Bi**, and Yuanchun Shi. 2017. COMPASS: Rotational Keyboard on Non-Touch Smartwatches. In *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems (CHI '17).* 705-715. **Best Paper Honorable Mention Award**

[23] CHI 2017 Xin Yi, Chun Yu, Weinan Shi, **Xiaojun Bi**, and Yuanchun Shi. 2017. Word Clarity as a Metric in Sampling Keyboard Test Sets. In *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems (CHI '17).* 4216-4228.

[22] UIST 2017 Jessalyn Alvina, Carla F. Griggio, **Xiaojun Bi**, and Wendy E. Mackay. 2017. CommandBoard: Creating a General-Purpose Command Gesture Input Space for Soft Keyboard. In *Proceedings of the 30th Annual ACM Symposium on User Interface Software and Technology (UIST '17).* 17-28.

[21] UIST 2016 **Xiaojun Bi,** Shumin Zhai (2016) "Predicting Finger-Touch Accuracy Based on the Dual Gaussian Distribution Model". In *Proceedings of UIST 2016 - The ACM Symposium on User Interface Software and Technology.* 313 – 319.

[20] CHI 2016 **Xiaojun Bi,** Shumin Zhai (2016) "IJQwerty: What Difference Does One Key Change Make? Gesture Typing Keyboard Optimization Bounded by One Key Position Change from Qwerty". In *Proceedings of CHI 2016 - the SIGCHI Conference on Human Factors in Computing Systems.* 49 - 58.

[19] CHI 2016 Chun Yu, Hongyi Wen, Wei Xiong, **Xiaojun Bi,** Yuanchun Shi (2016) "Investigating Effects of Post-selection Feedback for Acquiring Ultra-Small Targets on Touchscreen". In *Proceedings of CHI 2016 - the SIGCHI Conference on Human Factors in Computing Systems.* 4699 - 4710

[18] CHI 2015 Brian Smith*, **Xiaojun Bi,** Shumin Zhai (2015) "Optimizing Touchscreen Keyboards for Gesture Typing". In *Proceedings of CHI 2015 - the SIGCHI Conference on Human Factors in Computing Systems.* 3365 - 3374.
*Brian Smith was a summer intern supervised by Xiaojun Bi at Google

[17] CHI 2015  Andrew Fowler, Kurt Partridge, Ciprian Chelba, **Xiaojun Bi,** Tom Ouyang, Shumin Zhai (2015) "Effects of Language Modeling and its Personalization on Touchscreen Typing Performance". In *Proceedings of CHI 2015 - the SIGCHI Conference on Human Factors in Computing Systems.* 649 – 658.
Best Paper Honorable Mention Award

[16] CHI 2014 **Xiaojun Bi,** Tom Ouyang, Shumin Zhai (2014) "Both Complete and Correct? Multi-Objective Optimization of Touchscreen Keyboard". In *Proceedings of CHI 2014 – the SIGCHI Conference on Human Factors in Computing Systems*. 2297-2306.

[15] UIST 2013 **Xiaojun Bi,** Shumin Zhai (2013) "Bayesian Touch - A Statistic Criterion of Target Selection with Finger Touch". In *Proceedings of UIST 2013 – The ACM Symposium on User Interface Software and Technology.* 51-60.

[14] CHI 2013  **Xiaojun Bi,** Yang Li, Shumin Zhai (2013) "FFitts Law: Modeling Finger Touch with Fitts' Law". In *Proceedings of CHI 2013 – the SIGCHI Conference on Human Factors in Computing Systems*. 1363-1372. **Google Influential Paper Award**

[13] CHI 2013 **Xiaojun Bi,** Shiri Azenkot, Kurt Partridge, Shumin Zhai (2013) "Octopus: Evaluating Touchscreen Keyboard Correction and Recognition Algorithms via *Remulation*". In *Proceedings of CHI 2013 – the SIGCHI Conference on Human Factors in Computing Systems*. 543-552.

[12] UIST 2012 **Xiaojun Bi**, Ciprian Chelba, Tom Ouyang, Kurt Partridge, and Shumin Zhai. (2012) "Bimanual Gesture Keyboard". In *Proceedings of UIST 2012 – The ACM Symposium on User Interface Software and Technology.* 137-146.

[11] CHI 2012 Ken Hinckley, **Xiaojun Bi,** Michel Pahud, and Bill Buxton (2012) "Informal Information Gathering Techniques for Active Reading". In *Proceedings of CHI 2012 – the SIGCHI Conference on Human Factors in Computing Systems.* 1893-1896.

[10] CHI 2012 Yizhong Xin, **Xiaojun Bi,** and Xiangshi Ren. (2012) "Natural Use Profiles for the Pen: An Empirical Exploration of Pressure, Tilt, and Azimuth". In *Proceedings of CHI 2012 – the SIGCHI Conference on Human Factors in Computing Systems.* 801-804.

[9] CHI 2011  **Xiaojun Bi,** Tovi Grossman, Justin Matejka, George Fitzmaurice. (2011) "Magic Desk: Bringing Multi-Touch Surfaces into Desktop Work". In *Proceedings of CHI 2011 – the SIGCHI Conference on Human Factors in Computing Systems.* 2511-2520. **Best Paper Honorable Mention Award**

[8] CHI 2011 Yizhong Xin, **Xiaojun Bi,** Xiangshi Ren. (2011) "Acquiring and Pointing: An Empirical Study of Pen Tilt-Based Interaction". In *Proceedings of CHI 2011 – the SIGCHI Conference on Human Factors in Computing Systems.* 849-858.

[7] CHI 2010 **Xiaojun Bi,** Seok-Hyung Bae, Ravin Balakrishnan. (2010) "Effects of Interior Bezels of Tiled-Monitor Large Displays on Visual Search, Tunnel Steering, and Target Selection". In *Proceedings of CHI 2010 – the SIGCHI Conference on Human Factors in Computing Systems.* 65-74.

[6] CHI 2010 **Xiaojun Bi,** Barton A. Smith, Shumin Zhai (2010) "Quasi-Qwerty Soft Keyboard Optimization". In *Proceedings of CHI 2010 – the SIGCHI Conference on Human Factors in Computing Systems.* 283-286.

[5] MobileHCI 2010 James Scott, Shahram Izadi, Leila Sadat Rezai, Dominika Ruszkowski, **Xiaojun Bi,** Ravin Balakrishnan, (2010)"RearType: Text Entry Using Keys on the Back of a Device". In *Proceedings of MobileHCI - The ACM conference on Human computer interaction with mobile devices and services.* 171-180.

[4] CHI 2009 **Xiaojun Bi,** Ravin Balakrishnan. (2009) "Comparing Usage of a Large High-Resolution Display to Single or Dual Desktop Displays for Daily Work". In *Proceedings of CHI 2009 – the SIGCHI Conference on Human Factors in Computing Systems.* 1005-1014.

[3] UIST 2008 **Xiaojun Bi,** Tomer Moscovich, Gonzalo Ramos, Ravin Balakrishnan, Ken Hinckley (2008) "An Exploration of Pen Rolling for Pen-based Interaction". In *Proceedings of UIST 2008 - The ACM Symposium on User Interface Software and Technology.* 191-200.

[2] TableTop 2006 **Xiaojun Bi,** Yuanchun Shi, Xiaojie Chen. (2006) "uPen: A Smart Pen-liked Device for Facilitating Interaction on Large Displays". In *Proceedings of IEEE TableTop Conference on Horizontal Interactive Human-Computer Systems 2006.* 160-168.

[1] EUSAI 2005 **Xiaojun Bi,** Yuanchun Shi, Xiaojie Chen, Peifeng Xiang (2005) "Facilitating Interaction with Large Displays in Smart Spaces". In *Soc-EUSAI, Smart Objects and Ambient Intelligence Conference*. France, October, 2005, 105-110.

Journal Publications

[2] **Xiaojun Bi,** Seok-Hyung Bae, Ravin Balakrishnan. (2014) "WallTop: Manage Overflowing Windows on a Large Display". *Human-Computer Interaction*. Volume 29, Issue 2, 153-203.

[1] **Xiaojun Bi,** Barton A. Smith, Shumin Zhai. (2012) "Multilingual Touchscreen Keyboard Design and Optimization". *Human-Computer Interaction*. Volume 27, Issue 4, 352-382.

Workshop Papers

[5]. **Xiaojun Bi,** Lu Xiao, Feng Tian, Xianghua (Sharon) Ding, and Yong Ming Kow. (2016). Chinese CHI 2016 Symposium. In *Proceedings of the 2016 CHI Conference Extended Abstracts on Human Factors in Computing Systems (CHI EA '16).* 3532–3535.

[4]. **Xiaojun Bi,** Brian A. Smith and Shumin Zhai (2015) Keboard Layout Optimization. In *CHI 2015 Workshop on Principles, Techniques and Perspectives on Optimization and HCI.*

[3]. Per Ola Kristensson, **Xiaojun Bi,** Andrew Howes, Antti Oulasvirta, Roderick Murray-Smith, Harold Thimbleby, John Williamson, Shumin Zhai (2015) Principles, Techniques and Perspectives on Optimization and HCI. In *CHI EA 2015 - the SIGCHI Conference on Human Factors in Computing Systems.* 2441-2444.

[2]. Hao-Chuan Wang, Gary Hsieh, **Xiaojun Bi**, Henry B. L. Duh, Yihsiu Chen (2015) Chinese CHI Symposium in CHI 2015. In *CHI EA 2015 - the SIGCHI Conference on Human Factors in Computing Systems*. 2313-2315.

[1]. Shumin Zhai, **Xiaojun Bi,** Shiri Azenkot, Kurt Partridge (2013) "The Grand Challenge of Automated Evaluation of Text Input Systems". In *CHI 2013 Workshop on Grand Challenges in Text Entry.*

Book Chapters and Edited Books

[4] Antti Oulasvirta, Per Ola Kristensson, **Xiaojun Bi,** Andrew Howes, editors. Computational interaction. *Oxford University Press*; 2018 Jan 10.
[3] **Xiaojun Bi,** Brian Smith, Tom Ouyang, Shumin Zhai. Soft Keyboard Performance Optimization. Chapter 5 in Antti Oulasvirta, Per Ola Kristensson, Xiaojun Bi, Andrew Howes, (eds.), *Computational Interaction*. Oxford: Oxford University Press, 121 – 152.
[2] Suwen Zhu, Xiangmin Fan, Feng Tian, **Xiaojun Bi.** Bayesian Command Selection. Chapter 4 In John Williamson, Antti Oulasvirta, Per Ola Kristensson, Nikola Banovic (eds.), *Bayesian Methods for Interaction and Design.* Cambridge: Cambridge University Press, 129 – 156. (In press)
[1] Mingrui "Ray" Zhang, He Wen, Wenzhe Cui, Suwen Zhu, H.Andrew Schwartz, **Xiaojun Bi** and Jacob O. Wobbrock. (2021). AI-driven Intelligent Text Correction Techniques for Mobile Text Entry. Chapter 6 in Yang Li & Otmar Hilliges (eds.), *Artificial Intelligence for Human Computer Interaction: A Modern Approach*. Switzerland: Springer. (In press)

US Patents (33)

- [P33]. **Xiaojun Bi**, Yu Ouyang, Shumin Zhai. Partial gesture text entry. US Patent: 10,140,284. Filed: 4/4/2017. Issued: 11/27/2018
- [P32]. Shumin Zhai, **Xiaojun Bi**, Yu Ouyang. Incremental multi-touch gesture recognition. US Patent: 9,021,380. Filed: 10/5/2012. Issued: 4/28/2015
- [P31]. **Xiaojun Bi**. Keyboard gestures for character string replacement. US Patent: 8,806,384. Filed: 7/2/2014. Issued: 4/14/2015.
- [P30]. **Xiaojun Bi**, Kurt Partridge, Yu Ouyang, Shumin Zhai. Character deletion during keyboard gesture. US Patent: 8,914,751. Filed: 1/14/2013. Issued: 12/16/2014
- [P29]. **Xiaojun Bi**, Shumin Zhai and Michael Andrew Cleron. Dynamically-positioned character string suggestions for gesture typing. US Patent: 8,887,103. Filed: 1/20/2013. Issued: 11/11/2014
- [P28]. **Xiaojun Bi**, Yu Ouyang, Shumin Zhai. Partial gesture text entry. US Patent: 8,850,350. Filed: 10/16/2013. Issued: 9/30/2014
- [P27]. Yu Ouyang, Shumin Zhai, **Xiaojun Bi**. Multi-gesture text input prediction. US Patent: 8,843,845. Filed: 4/8/2013. Issued: 9/23/2014
- [P26]. **Xiaojun Bi**. Keyboard gestures for character string replacement. US Patent: 8,806,384. Filed: 10/24/2013. Issued: 8/12/2014
- [P25]. Tom Ouyang, Shumin Zhai, Ciprian Chelba, **Xiaojun Bi**, Satoshi Kataoka, Ken Wakasa, Keisuke Kuroyanagi. Incremental feature-based gesture-keyboard decoding. US Patent: 8,782,549. Filed: 10/5/2012. Issued: 7/15/2014
- [P24]. Shumin Zhai, Kurt Partridge, **Xiaojun Bi**, Tom Ouyang. Visual feedback deletion. US Patent: 8,584,049. Filed: 3/14/2013. Issued: 11/12/2013
- [P23]. **Xiaojun Bi**, Barton Smith, Shumin Zhai. Method for optimization of soft keyboards for multiple languages. US Patent: 8,542,195. Filed: 3/30/2010. Issued: 9/24/2013
- [P22]. **Xiaojun Bi**, Shumin Zhai. Touchscreen text input. US Patent: 8,405,630. Filed: 04/30/2012. Issued: 3/26/2013.
- [P21]. **Xiaojun Bi**. Suggestion selection during continuous gesture input. US Patent: 9,996,258. Filed: 3/12/2015. Issued: 6/12/2018.
- [P20]. **Xiaojun Bi**. Alternative gesture mapping for a graphical keyboard. US Patent: 9,952,763. Filed: 2/16/2015. Issued: 4/14/2018.
- [P19]. **Xiaojun Bi**, Shumin Zhai. Thumb typing keyboard. US Patent: 9,262,075. Filed: 7/3/2014. Issued: 2/16/2016.
- [P18]. **Xiaojun Bi**. Word prediction for numbers and symbols. US Patent:9,298,276. Filed: 12/31/2013. Issued: 3/29/2016.

- [P17]. Shumin Zhai, Kurt Edward Partridge, **Xiaojun Bi**, Yu Ouyang. Gesture keyboard ith gesture cancellation. US Patent: 9,569,107. Filed: 4/19/2013. Issued: 2/14/2017.
- [P16]. Shumin Zhai, Kurt Edward Partridge, **Xiaojun Bi**, Yu Ouyang. Contextually-specific automatic separators. US Patent: 9,557,818 Filed: 3/4/2013. Issued: 1/31/2017
- [P15]. Tovi Grossman, Justin Frank Matejka,George Fitzmaurice, **Xiaojun Bi**. Multi-Touch Integrated Desktop Environment. US Patent: 9,612,743. Filed:1/5/2011. Issued: 4/4/2017
- [P14]. Tovi Grossman, Justin Frank Matejka,George Fitzmaurice, **Xiaojun Bi**. Multi-Touch Integrated Desktop Environment. US Patent: 9,600,090. Filed:1/5/2011. Issued: 3/21/2017
- [P13]. Tovi Grossman, Justin Frank Matejka,George Fitzmaurice, **Xiaojun Bi**. Multi-Touch Integrated Desktop Environment. US Patent: 9,262,005 Filed:1/5/2011. Issued: 2/16/2016
- [P12]. Tovi Grossman, Justin Frank Matejka,George Fitzmaurice, **Xiaojun Bi**. Multi-Touch Integrated Desktop Environment. US Patent: 8,988,366 Filed:1/5/2011. Issued: 3/24/2015
- [P11]. **Xiaojun Bi**. Dynamic key mapping of a graphical keyboard. US Patent: 10,146,764. Filed: 4/4/2016. Issued: 12/4/2018.
- [P10]. **Xiaojun Bi**. Apparatus and method for touchscreen keyboard suggestion word generation and display. US Patent: 9,952,764. Filed: 7638/20/2015. Issued: 4/24/2018.
- [P9]. Yu Ouyang, Shumin Zhai, **Xiaojun Bi**. Multi-gesture text input prediction. US Patent: 9,710,453. Filed: 9/4/2014. Issued: 7/18/2017
- [P8]. **Xiaojun Bi,** Yu Ouyang, Shumin Zhai. Partial gesture text entry. US Patent: 9,678,943. Filed: 9/24/2014. Issued: 6/13/2017
- [P7]. **Xiaojun Bi**, Kurt Partridge, Yu Ouyang, Shumin Zhai. Character deletion during keyboard gesture. US Patent: 9,665,276. Filed: 11/19/2014. Issued: 5/30/2017
- [P6]. **Xiaojun Bi**. Display screen with animated graphical user interface. US Patent: D780,800. Filed: 11/19/2015. Issued: 3/7/2017.
- [P5]. **Xiaojun Bi**. Display screen with animated graphical user interface. US Patent: D785,037. Filed: 7/3/2014. Issued: 4/25/2017.
- [P4]. Tom Ouyang, Shumin Zhai, Ciprian Chelba, **Xiaojun Bi**, Satoshi Kataoka, Ken Wakasa, Keisuke Kuroyanagi. Incremental feature-based gesture-keyboard decoding. US Patent: 9,552,080 Filed: 7/14/2014. Issued: 1/24/2017
- [P3]. **Xiaojun Bi**, Shumin Zhai and Michael Andrew Cleron. Dynamically-positioned character string suggestions for gesture typing. US Patent: 9,543,439. Filed: 11/10/2014. Issued: 1/17/2017
- [P2]. **Xiaojun Bi**. Portion of a display panel with a computer icon. US Patent: D770,492. Filed: 8/22/2014. Issued: 11/1/2016.
- [P1]. **Xiaojun Bi**. Keyboard gestures for character string replacement. US Patent: 9,009,624. Filed: 7/2/2014. Issued: 4/14/2015

6. Research Grants

13 Awarded Grants | Total: ~$4,700,000 | PI for 8 Grants: ~$2,500,000.

- 13. National Institutes of Health R01 (National Eye Institute) EY035688
  2/1/2024 – 2/1/2027
  Title: Intelligent Text Input and Editing Methods on Smartphones for Blind Users
  PI: Xiaojun Bi, Co-PI: IV Ramakrishnan, William Seiple
  Total Amount: $1,240,771

- 12. National Science Foundation
  08/2021 – 07/2025

Title: Bayesian-centric Multimodal Hands-free Computer Interaction Technologies for People with Quadriplegia
PI: Xiaojun Bi, Co-PI: IV Ramakrishnan, Brooke Ellison
Total Amount: $399,869

- 11. National Science Foundation
  09/2018 – 08/2021
  Title: IIS:CHS:SMALL: Establishing Action Laws for Touch Interaction
  Sole-PI: Xiaojun Bi
  Total Amount: $315,478

- 10. National Institutes of Health R01 EY 030085-01
  3/1/2020 – 2/28/2023
  Title: Space-Compacting Magnification Augmented with Natural Gestures and Keyboardless Text Entry for Low Vision Smartphone Interaction
  PI: IV Ramakrishnan, **Co-PI: Xiaojun Bi,** Christian Luhmann
  Total Amount: $1,178,970,

- 9. Medical Research Program, Department of Defense Award #: AL210015
  1/2022 – 1/2024
  Title: Integrative Multimodal Communication for ALS Patients Using iPad
  PI: Fusheng Wang, **Co-PI: Xiaojun Bi,** Nurcan Gursory,
  Total Amount: $777,322

- 8. Google Award for Inclusion Research
  11/2023 – 11/2024
  Title: Accessible Touchscreen Keyboards for People with Visual Impairments
  PI: Xiaojun Bi, Co-OI: IV Ramakrishnan
  Total Amount: $60,000

- 7. Google Research Gift Fund
  8/2021 – 8/2022
  Title: Voice and Touch Based Multimodal Text Editing and Correction Techniques on Mobile Devices
  Sole-PI: Xiaojun Bi
  Total Amount: $120,000

- 6. SBU Office of the Vice President for Research Seed Grant
  4/2021 – 1/2022
  Title: Robotic Arm Augmented Wheelchair for Enabling Independent Living of People with Quadriplegia
  PI: Nilanjan Chakraborty, **Co-PI: Xiaojun Bi,** Haibin Ling, IV Ramakrishnan, Brooke Ellison
  Total Amount: $ 65,000

- 5. Google Research Gift Fund
  1/2020 – 1/2021
  Title: Probabilistic Modeling of Touch Input in Human-Computer Interactions

Sole-PI: Xiaojun Bi
Total Amount: $120,000

- 4. ALS Association 20-MALS-538
  1/31/2020 – 1/30/2022
  Title: Eye Gaze-Based Technology Using Apple Truth Depth Camera to Enable Communication for ALS Patients
  PI: Fusheng Wang, **Co-PI: Xiaojun Bi.**
  Total Amount: $199,998

- 3. SBU Office of the Vice President for Research Seed Grant
  8/2020 – 1/2021
  Title: Next Generation Orally-Activated Multi-Modal Assistive Technologies for People with Severe Disabilities
  PI: Brooke Ellison, **Co-PI: Xiaojun Bi,** Mikhail Gouzman, Kimberly Noel
  Total Amount: $ 55,000

- 2. Google Faculty Research Award (2018)
  Title: Gesture Typing Based Authentication Methods on Smartphones.
  04/2018 – 04/2019
  Sole-PI: Xiaojun Bi
  Total Amount: $50,000

- 1. Google Faculty Research Award (2017)
  Title: Improving Touchscreen UI Design with Touch Modeling.
  04/2017 – 04/2018
  Sole-PI: Xiaojun Bi
  Total: Amount: $38,500

7. Teaching

- **Graduate Courses** [1-worst, 5-best]
  CSE 518 Foundations of Human Computer Interaction (Fall 2024)
  Mean of Overall Rating: 4.6
  Enrolled Students: 96

  CSE 518 Foundations of Human Computer Interaction (Fall 2022)
  Mean of Overall Rating: 4.05
  Enrolled Students: 54

  CSE 518 Foundations of Human Computer Interaction (Fall 2021)
  Mean of Overall Rating: 4.37
  Enrolled Students: 94

  CSE 518 Foundations of Human Computer Interaction (Fall 2020)
  Mean of Overall Rating: 4.83
  Enrolled Students: 74

CSE 518 Foundations of Human Computer Interaction (Fall 2019)
Mean of Overall Rating: 4.66
Enrolled Students: 80

CSE 594 Advanced Topics in Human Computer Interaction (Spring 2018)
Mean of Overall Rating: 4.88
Enrolled Students: 19

CSE 594 Advanced Topics in Mobile Human Computer Interaction (Fall 2018)
Mean of Overall Rating: 4.88
Enrolled Students: 39

CSE 652 Seminar in User Interfaces (Fall 2017)
Mean of Overall Rating: 5
Enrolled Students: 10

- **Undergraduate Courses** [1-worst, 5-best]
  CSE/ISE/EST 323. Human Computer Interaction (Spring 2025)
  Mean of Overall Rating: 4.1
  Enrolled Students: 68

  CSE/ISE/EST 323. Human Computer Interaction (Spring 2023)
  Mean of Overall Rating: 4.3
  Enrolled Students: 79

  CSE/ISE/EST 323. Human Computer Interaction (Spring 2022)
  Mean of Overall Rating: 4.44
  Enrolled Students: 67

  CSE/ISE/EST 323. Human Computer Interaction (Spring 2021)
  Mean of Overall Rating: 4.62
  Enrolled Students: 59

  CSE/ISE/EST 323. Human Computer Interaction (Spring 2020)
  Mean of Overall Rating: 3.48. The teaching was disrupted by COVID19
  Enrolled Students: 60

8. Service

External Professional Service

- Subcommittee Chair for *ACM CHI* 2023 and 2022 (Computational Interaction Subcommittee)
- Associate Chair in Program Committee, *ACM CHI* 2021, 2020, 2019, 2018, 2017, 2016, 2015
- Associate Chair in Program Committee, *ACM UIST* 2016, 2013
- 2019 Co-chair, The 5th Summer School on Computational Interaction
- 2018 Panelist, National Science Foundation
- 2017 Co-Organizer. ACM CHI 2017 Workshop on Ubiquitous Text Interaction
- 2017 Co-Organizer. Dagstuhl Seminar on Computational Interactivity in Dagstuhl, Germany

- 2015 Co-Organizer. ACM CHI 2015 Workshop on Principles, Techniques, and Perspectives on Optimization and HCI

Department Service

- 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025 Committee Member. Graduate Student Admission Committee
- 2021, 2024 Committee Member. Graduate Grievance and Appeals Committee

University Service

- 2017, 2018, 2019, 2021 Co-organizer, Computer Science and Informatics Summer Research Experience Program (CSIRE)
- 2025 Member of Faculty Search Committee, Department of Technology and Society.

9. Students and Mentoring

Graduated PhD Students

Suwen Zhu
Dissertation: *Model-Based Intelligent Interactions on Touch Surfaces*. December 2019
First Job: Software Engineer at Grammarly.

Wenzhe Cui
Dissertation: *Intelligent Gesture Input Technologies*. December 2022
First Job: Software Engineer at United Imaging Intelligence

Maozheng Zhao
Dissertation: *Intelligent Multimodal Input Technologies on Mobile Devices.* December 2023.
First Job: Machine Learning Engineer at NewsBreak

Zhi Li
Dissertation: *Understanding and Handling Input Uncertainty for Post-PC Devices.* October 2024
First Job: Research Scientist at Google LLC.

Yan Ma
Dissertation: *AI-Powered Text Input Technologies.* August 2025
First Job: Assistant Professor at Kean University.

Current PhD Students

Paul Zhu	2025 Fall –
Ziang Chen	2025 Fall –
Tony Li	2024 Fall –
Jeremy Chu	2021 Fall –
Hang Zhao	2021 Spring –
Dan Zhang	2021 Spring –
Yu-Jung Ko	2017 Fall (on-leave) –

Master Students:

Ziang Chen (Spring 2025)
Abhishek Revadekar (2023 - 2024)

Pooja Anbuselvan (2023 – 2024)
Deepika Gonela (2022 – 2024)
Irfan Ahmed (2021 – 2022)
Shubham Agrawal (2020 – 2021)
Ananya Goel (2020 – 2021)
Kajal Toshniwal (2020 – 2021)
Jagrati Bhardwaj (2019 – 2020)
Reema Mittal (2019 – 2020)
Srinivasa Dilip Polepalli (2019 – 2020)
Ravali Sambu (2019 – 2020)
Hang Zhao (2019 – 2020)
Anudeep Medishetti (2019 – 2020)
Tianyao Luo (2017 – 2018)

Undergraduate Students:
Andrew Sun (2023)
Yifan Wang (2019 – 2020) [co-supervised with Fusheng Wang]
Michael Wang (2020- 2021)

High School Students:
Kaiyan Lin (2022, 2023, 2024)
Matthew Yao (2024)
Arya Sinha (2021)
Henry Huang (2021)
Hannah Zhang (2020)
Jaiden Reddy (2020)
Trevor Cai (2020)
Jiayang Wang (2020)
Asweel Mehaboob (2019)
Ryan Qin (2017, 2018)
Justin Wei (2017)
Jennifer Luo (2018)
Neha Jannu (2018)

Ph.D. Dissertation Committee: Zhou Zhao, Ziqiao Guan, Xin Qi, Ali Aydin, Syed Masum Billah, Vikas Ashok, Koosha Mirhosseini, Ji Hwan Park, Chengfeng Wen, Zheer Xu.

Research Proficiency Exam (RPE) Committee: Mithilesh Singh, Yue Wang, Yuanpeng Liu, Guo Yang, Xi Zhang, Xuan Li, Yicheng Lin, Yu-Hao Lin, Xinyu Dong, Xi Han, Anand Aiyer, Hae-Na Lee, Dibyendu Das, Utku Uckun, Shirin Feiz, Sagnik Das

Master Dissertation Committee: Fathima Cherat