

Chuhao Wu

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My research lies at the intersection of Information Science, Human-Computer Interaction, and Higher Education. I investigate the impact of technology on higher education with the goal of advancing the design, implementation, and regulation of technology to better support learning, teaching, and scholarly activities.

Education

2020 – 2025	Ph.D. in Informatics <i>Advisor: John Carroll</i> <i>Dissertation: Generative AI in Higher Education: A Socio-technical Systems Approach to Innovation Diffusion</i>	The Pennsylvania State University
2017 – 2019	M.S. in Industrial Engineering <i>Advisor: Denny Yu</i> <i>Thesis: Eye Tracking and Electroencephalogram (EEG) Measures for Workload and Performance in Robotic Surgery Training</i>	Purdue University
2013 - 2017	B.S. in Engineering Management	Beijing Jiaotong University
2015	Exchange Student in Management	Texas A&M University

Professional Experience

Clemson University, Clemson, SC

06/2025 – Present **Strategic Assessment Librarian** (Tenure-track), University Libraries
Supervisor: Shamella Cromartie

Pennsylvania State University, University Park, PA

08/2022 – 05/2025 **Research Assistant**, University Libraries
Supervisor: Sarah Zipf

08/2020 – 05/2025 **Research Assistant**, College of Information Science & Technology
Supervisor: John Carroll, Aiping Xiong, Sarah Rajtmajer

NAVER LABS Europe, Remote

01/2022 – 08/2022 **Student Researcher**
Supervisor: Ben Hanrahan, Adrian Mos

Purdue University, West Lafayette, IN

09/2019 – 08/2020 **Research Assistant**, School of Engineering Education
Supervisor: Edward Berger

08/2017 – 08/2019 **Research Assistant**, School of Industrial Engineering
Supervisor: Denny Yu

Journal Publications

- J1 Petricini, T., Zipf, S., & **Wu, C.** (2025). AI: Communicating academic honesty: teacher messages and student perceptions about generative AI. *Frontiers in Communication*, 10, 1544430.
- J2 Zhang, H., **Wu, C.**, Xie, J., Lyu, Y., Cai, J., & Carroll, J. M. (2025). Harnessing the power of AI in qualitative research: Exploring, using and redesigning ChatGPT. *Computers in Human Behavior: Artificial Humans*, 4, 100144.
- J3 **Wu, C.**, & Carroll, J. M. (2024). Self-Presentation and Social Networking Online: The Professional Identity of PhD Students in HCI. *The Internet and Higher Education*, 62, 100951.
- J4 **Wu, C.**, Zhang, H., & Carroll, J. M. (2024). AI Governance in Higher Education: Case Studies of Guidance at Big Ten Universities. *Future Internet* 16.10 (2024): 354.
- J5 Petricini, T. A., Zipf, S. T., & **Wu, C.** (2024). Perceptions About Generative AI and ChatGPT Use by Faculty and Students. *Transformative Dialogues: Teaching and Learning Journal*, 17(2).
- J6 **Wu, C.**, Berger, E., DeBoer, J., & Rhoads, J. F. (2021). Use of worked-example videos to support problem-solving: An analysis of student behavior. *Computer Applications in Engineering Education*, 30 (1), 195-221.
- J7 Berger, E. J, **Wu, C.**, Briody, E. K., Wirtz, E., & Rodríguez-Mejía, F. (2021). Faculty subcultures in engineering and their implications for organizational change. *Journal of Engineering Education*, 110 (1), 230–251.
- J8 **Wu, C.**, Cha, J., Sulek, J., Sundaram, C. P., Wachs, J., Proctor, R. W., & Yu, D. (2021). Sensor-based indicators of performance changes between sessions during robotic surgery training. *Applied Ergonomics*, 90, 103251.
- J9 **Wu, C.**, Cha, J. S., Sulek, J., Zhou, Z., Sundaram, C. P., Wachs, J. P., & Yu, D. (2019). Eye-tracking Metrics Predicts Mental Workload in Robotic Surgical Skills Training. *Human Factors*, 62(8), 1365-1386.

Conference Proceedings

* Presenter

- C1 Zipf, S., **Wu, C.**, & Petricini, T. (2025). Using the information inequity framework to study GenAI equity: analysis of educational perspectives. *Information Research an international electronic journal*, 30(iConf), 533-547.
- C2 Zhang, H., Xie, J., **Wu, C.**, Cai, J., Kim, C., & Carroll, J. M. (2024). The Future of Learning: Large Language Models through the Lens of Students. *Proceedings of the ACM Annual Conference on Information Technology Education (ACM SIGITE '24)*
- C3 **Wu, C.** *, Chakravorti, T., Carroll, M. J, & Rajtmajer, M. S. (2024) Integrating measures of replicability into literature search: Challenges and opportunities. *Proceedings of the ACM CHI Conference on Human Factors in Computing Systems (CHI 2024)*.
- C4 **Wu, C.**, Wang, X., Carroll, M. J, & Rajtmajer, S. M. (2024) Reacting to Generative AI: Insights from Student and Faculty Discussions on Reddit. *Proceedings of the ACM Web Science Conference*.
- C5 Xiong, A., **Wu, C.**, Wang, T., Proctor, R. W., Blocki, J., Li, N., & Jha, S. (2023). Exploring Use of Explanative Illustrations to Communicate Differential Privacy Models. *Proceedings of the 67th Human Factors and Ergonomics Society Annual Meeting*.
- C6 **Wu, C.** *, Pérez-Alvarez, J. M., & Mos, A., & Carroll, J. M., (2023). Codeless App Development: Evaluating A Cloud-Native Domain-Specific Functions Approach. *Proceedings of the 56th Hawaii International Conference on System Sciences*.
- C7 **Wu, C.** *, Wang, T., Proctor, R. W., Li, N., Blocki, J., & Xiong, A. (2021). Communicating Differential Privacy Models by Illustrations: A Survey and In-Depth Interview Study. *Proceedings of the 65d Human Factors and Ergonomics Society Annual Meeting*.

- C8 **Wu, C.** *, Cha, J. S., Sulek, J., Zhou, Z., Sundaram, C. P., Wachs, J. P., & Yu, D. (2019). Analysis of Eye Behavior: Mental Workload Assessment in Robotic Surgery. *Proceedings of the 63rd Human Factors and Ergonomics Society Annual Meeting*.
- C9 Huang, G., Liang, N., **Wu, C.**, & Pitts, B. (2019). The Impact of Mind Wandering on Signal Detection, Semi-autonomous Driving Performance, and Physiological Responses. *Proceedings of the 63rd Human Factors and Ergonomics Society Annual Meeting*.
- C10 Briody, E. K., Rodríguez-Mejía, F., Rothstein, R., **Wu, C.**, & Berger, E. J. (2019). A Cultural Exploration of Time and Busyness in University Education. *Proceedings of the 8th Research in Engineering Education Symposium*.

Book Chapter

- B1 Zipf, S. T., Petricini, T., & **Wu, C.** (2024). AI monsters: An application to student and faculty knowledge and perceptions of Generative AI. In S. Elmoudden & J. S. Wrench (Eds.), *The Role of Generative AI in the Communication Classroom*. IGI Global.

Submitted Manuscripts

- S1 **Wu, C.**, & Carroll, J. M. (2025). Evolving Perspectives on Generative AI in Higher Education: Insights from Two Years of University Stakeholder Analysis. Submission to *ACM GoodIT*.
- S2 **Wu, C.**, & Carroll, J. M. (2025). It's Disrupting Everything: An Institutional Perspective on Navigating Generative AI in Higher Education. Submission to *TechTrends*.
- S3 Kim, J., **Wu, C.**, Cai, J., & Carroll, J. M. (2025) Exploring University Students' Use of Generative AI Through the Lens of Self-Determination Theory. Submission to *ACM CSCW*.
- S4 Na, L., **Wu, C.**, Zhou, H., Yi, H., Cai, J., & Carroll, J. M. (2025) Weight-Loss Information Practices on a Female-dominant Platform. Submission to *ACM CSCW*
- S5 Na, L., **Wu, C.**, Zhou, H., Yi, H., Cai, J., & Carroll, J. M. (2025) A Room of One's Own: Understanding Supportive Behaviors on a Women-Centric Platform. Submission to *ACM CSCW*.
- S6 **Wu, C.**, Zipf, S. T., Li, N., & Hellar, B. (2025). What is a good number: a case study of pedagogical responses and obstacles in using learning analytics. *Accepted to the American Society for Engineering Education Annual Conference*.

White Papers

- W1 **Wu, C.**, Zipf, S. T., & Petricini, T. A. (2024). Perceptions of Generative AI: Survey of Students, Faculty, and Staff. *Pennsylvania State University*.
- W2 Zipf, S. T., & **Wu, C.** (2023). Computer Lab Use & Access: Low-Income Student Usage. *Pennsylvania State University*.
- W3 Zipf, S. T., **Wu, C.**, Li, N., & Hellar, B. (2023). An initial exploration of Course Insights: Data Informed Instruction. *Pennsylvania State University*.

Talks & Presentations

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| 12/2024 | Strategic Assessment in Academic Libraries: Driving Institutional Success
University Libraries, <i>Clemson University</i> |
| 10/2024 | Discovery through Library: More Usable and Accessible Search Interfaces
University Libraries, <i>University of Denver</i> |

- 07/2024 AI Governance in Higher Education: Case Study of the Big Ten
TLT All Staffing Meeting, *Penn State University*
- 05/2024 Influence of Technostress on Faculty Use of Technology
Library Faculty Organization Research Colloquium, *Penn State University*
- 04/2024 Research Showcase
TLT All Staffing Meeting, *Penn State University*
- 04/2024 Year Two: Perceptions of AI at Penn State
AI Horizons, *Penn State University*
- 03/2024 Course Insights and Gen AI: Using ChatGPT to Interpret Learning Analytics
Teaching & Learning with Technology Symposium, *Penn State University*
- 09/2023 Faculty and Student Perceptions of Generative AI in Higher Education: A
Quantitative Analysis.
The 1st Teaching & Learning with AI Conference, *University of Central Florida*
- 08/2023 Promises and Dangers of the Unknown: Generative AI in the Classroom
Commonwealth Connections: Instructor Days, *Penn State University*
- 03/2023 Course Insights Influence on Pedagogy
Teaching & Learning with Technology Symposium, *Penn State University*
- 11/2018 Eye-tracking metrics in human factors
Guest Lecture IE577, *Purdue University*

Teaching Experience

Pennsylvania State University, University Park, PA

- Fall 21 – Spring 22 **Teaching Assistant**, Organization of Data
- Summer 21 **Lecturer**, User Research Methods

Y-English, Beijing, China

- Spring 20 – Summer 22 **Instructor** (Remote), GRE Reading
- Fall 16 – Spring 17 **Teaching Assistant**, GRE & TOEFL

Services

Peer Reviewer

- ×1 Humanities and Social Sciences Communications
- ×1 ACM Symposium on User Interface Software and Technology
- ×1 Computers and Education: Artificial Intelligence
- ×4 American Society for Engineering Education Annual Conference
- ×6 ACM Conference on Human Factors in Computing Systems
- ×2 International Journal of Human-Computer Interaction
- ×2 ACM Conference on Computer-Supported Cooperative Work
- ×1 Journal of Multidisciplinary Healthcare
- ×1 Journal of Pain Research

- ×1 ACM Chinese CHI
- ×2 ACM Learning at Scale Conference
- ×1 Hawaii International Conference on System Sciences
- ×1 Human Factors and Ergonomics Society Annual Meeting

2018 - 2019 **Outreach Coordinator**, HFES Student Chapter @ Purdue University

Awards

- 2022, 2024 Penn State Graduate Student Travel Grant
- 2019 Purdue University Professional Development Grant
- 2013 - 2017 Honor of Excellent Student of Beijing Jiaotong University