

Yufeng Wu 吴御风 (he/him)

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Biography

Yufeng Wu is a PhD candidate in Human Computer Interaction at the University of Technology Sydney, supervised by Dr A. Baki Kocaballi and Professor Elise van den Hoven. Trained in communication design and industrial design, his work explores how emerging interactive technologies can support memory and wellbeing. His research brings together qualitative inquiry, research through design, prototyping, and user evaluation, with interests across conversational agents, digital health, tangible interaction, and augmented and virtual reality.

Education

2023.7 –
Present

Ph.D. in Human–Computer Interaction, University of Technology Sydney

School of Computer Science, Faculty of Engineering and IT

Supervisors: [A. Baki Kocaballi](#) & [Elise van den Hoven](#)

2021.8 –
2023.6

M.F.A. in Communication Design, Pratt Institute, New York

Graduated with Distinction. GPA 3.86 / 4.00

Thesis Advisor: [Asad Pervaiz](#)

2017.9 –
2021.6

B.Eng. in Industrial Design, Tiangong University, Tianjin

Ranked 7 / 60. GPA 3.13 / 4.00

Thesis Advisor: Aihui Yang

Additional Training

2025.1

XR Research Methods Summer School, The University of Sydney

Instructors: [Eduardo Velloso](#), [Kasper Hornbæk](#), [Joanna Bergström](#) & [Jarrod Knibbe](#)

2024.6

Apple Foundation Program, University of Technology Sydney

Project: InCap, a collaborative memory-sharing app built around themed time capsules

Research Experience

2023.7 –
Present

Ph.D. Researcher, Human–Computer Interaction, University of Technology Sydney
Topic: Designing Generative AI-Mediated Personal Memory Technologies for Everyday Remembering and Reminiscence
Supervisors: [A. Baki Kocaballi](#) & [Elise van den Hoven](#)

2025.9 –
Present

Research Intern, Australian Research Centre for Interactive and Virtual Environments, The University of Adelaide
Investigating how affective touch can be designed for emotional engagement in interactive technologies, from a scoping review to design principles and prototypes
Mentor: [Ghazaleh Sepahpour](#)

2025.1 –
Present

Research Assistant, [NurtureNextGen Project](#), University of Technology Sydney
Co-designing digital support with parents of children with genetic neurodevelopmental conditions, spanning interviews, co-design workshops, prototyping, and publications
Supervisors: [Erin Turbitt](#) & [Elise van den Hoven](#)

Publications

I have published in top-tier HCI venues, including **ACM CHI**, **ACM TiiS**, and **SIGGRAPH Asia**. For the latest list, please visit my [Google Scholar](#) profile.

Full Papers

- P.5 **Wu, Y.**, Mahmud, R., Bin Sawad, A., van den Hoven, E., Kocaballi, A. B. (2026). “Conversational Agents in Augmented Reality: A Systematic Review”, *ACM Transactions on Interactive Intelligent Systems (ACM TiiS)*. [doi:10.1145/3815590](#)
- P.4 **Wu, Y.**, Li, Q., van den Hoven, E., Kocaballi, A. B. (2026). “I’m happy even though it’s not real’: GenAI Photo Editing as a Remembering Experience”, In *Proceedings of the ACM Conference on Human Factors in Computing Systems (ACM CHI’26)*. [doi:10.1145/3772318.3790927](#)
- P.3 **Wu, Y.**, Bedi, J. K., Callinan, E., Helwani, F. M., Renton, H., Dray, J., Davidson, K. R., Pinn, M., Cross, M., McEwen, A., van den Hoven, E., Turbitt, E. (2025). “From Needs to Insights: Designing Digital Support with Parents of Children with Genetic Neurodevelopmental Conditions”, In *Proceedings of the 37th Australian Conference on Human-Computer Interaction (OzCHI’25)*. [doi:10.1145/3764687.3769921](#)
- P.2 Alorini, A., **Wu, Y.**, Bin Sawad, A., Prasad, M., Kocaballi, A. B. (2025). “Unplug, Mute, Avoid: Investigating Smart Speaker Users’ Privacy Protection Behaviours in Saudi Homes”, In *Proceedings of the 37th Australian Conference on Human-Computer Interaction (OzCHI’25)*. [doi:10.1145/3764687.3764688](#)
- P.1 Mahmud, R., **Wu, Y.**, Bin Sawad, A., Berkovsky, S., Prasad, M., Kocaballi, A. B. (2025). “Evaluating User Experience in Conversational Recommender Systems: A Systematic Review Across Classical and LLM-Powered Approaches”, In *Proceedings of the 37th Australian Conference on Human-Computer Interaction (OzCHI’25)*. [doi:10.1145/3764687.3764714](#)

Extended Abstracts (Peer-reviewed)

- EA.4 Khan, F., **Wu, Y.**, Dray, J., Hemsley, B., Kocaballi, A. B. (2025). “Conversational Agents to Support People with Communication Disability: A Co-design Study with Speech Pathologists”, In *Extended Abstracts of the ACM Conference on Human Factors in Computing Systems (ACM CHI EA’25)*. doi:10.1145/3706599.3719800
- EA.3 Xu, Y., Nie, K., **Wu, Y.**, Lu, H., Zhang, L. (2025). “Calligraphy Echo: Sonifying Chinese Calligraphy with MIDI-Enabled Brush”, In *SIGGRAPH Asia 2025 Posters (SIGGRAPH Asia’25)*. doi:10.1145/3757374.3771497
- EA.2 **Wu, Y.**, Davidson, K., van den Hoven, E., Bedi, J., Dray, J., Callinan, E., Turbitt, E. (2025). “NurtureNextGen: Co-designing a Digital Tool to Support Families of Children with Genetic Neurodevelopmental Conditions”, *Human Genetics Society of Australasia Annual Scientific Meeting (HGSA’25)*. [Top Oral Presentation]
- EA.1 **Wu, Y.**, van den Hoven, E., Kocaballi, A. B. (2024). “RememberMe: An Embodied Conversational Agent for Reminiscence Therapy in Virtual Reality”, *Digital Health Week 2024*, Poster.

Teaching & Mentoring

Courses

- 2024 –
2026 **Tutor**¹, [Interaction Design Studio](#) (Capstone Project), University of Technology Sydney
Spring 2024 · Spring 2025 · Autumn 2026 · Spring 2026
- 2024 –
2026 **Tutor**, [Human-Centred Design Research Methods](#), University of Technology Sydney
Spring 2024 · Spring 2025 · Spring 2026
- 2024 –
2026 **Tutor**, [Fundamentals of Interaction Design](#), University of Technology Sydney
Autumn 2024 · Autumn 2025 · Autumn 2026

Supervision

- 2026 –
Present **Ineshka De Mel**, B.CompSci (Honours), Interaction Design, University of Technology Sydney
Role: Co-supervisor
- 2024 –
2025 **Jonathan Werner**, B.CompSci (Honours), Interaction Design, University of Technology Sydney
Role: Co-supervisor

Awards & Honours

- 2026 Vice-Chancellor’s Conference Fund (A\$3,000), University of Technology Sydney
- 2025 Top Oral Presentation, Human Genetics Society of Australasia Annual Scientific Meeting

¹In Australian universities, tutors are sessional teaching staff who typically lead tutorials or studio classes, support student learning, and assess coursework under the guidance of a subject coordinator.

2023	Pratt Circle Award, Pratt Institute
2022	Design works listed in AAA Visual Art Exhibition
2021	Third Prize, Tencent National University Mini-programme Design Competition
2019	First Prize, China College Students' Internet Plus Innovation and Entrepreneurship Competition
2019	Champion, National Takeda Medical & Nursing Innovation Competition
2019	Presidential Scholarship, Tiangong University

Academic Service

2027	Proceedings Chair , ACM Conference on Tangible, Embedded and Embodied Interaction (TEI'27)
2026	Organising Committee , Oceania CHI
2025	Student Volunteer , ACM OzCHI
2023	Student Volunteer , ACM SIGGRAPH Asia

Reviewing

ACM CHI (2025, 2026) · ACM OzCHI (2025, 2026) · Frontiers in Human Dynamics

Industry & Design Experience

2024.1 – 2024.7	Design Lead , NAILIT, Sydney, Australia Led brand identity and product design from concept to delivery
2021.1 – 2021.9	Brand Designer , Baron Design Studio, Tianjin, China Brand identity systems, print, and visual design for studio clients
2020.5 – 2020.9	UI/UX Designer (Intern) , Intelligent Product UX Design Department, Tencent, Beijing, China Interaction frameworks and user journeys for Tencent Auto Intelligence, across dashboard, companion app, and smart speaker
2020.2 – 2020.4	User Interface Designer (Intern) , Toycloud Technology, iFLYTEK Co., Ltd., Hefei, China Voice interaction flows and interface concepts for children's learning and companion devices

Last updated July 2026 · References available on request