Bob Wei (he/they)

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Education

University of California at Berkeley, College of Engineering, CA, USA	Aug 2023 – Dec 2024
Master of Design Program, Human-Computer Interaction	GPA: 3.662/4
Tsinghua University, Dept. of Industrial Design, Academy of Arts and Design, Beijing, China	Aug 2019 – Jun 2023
B.A. in Industrial and Product Design	GPA: 3.71/4

Research Experience

UC Berkeley, EECS Department, Prof. Bjoern Hartmann, Researcher — Nov 2023 - Present

- Conducted HCI research on generative AI systems for creative work, voice acting, and interactive learning environments, combining quantitative analysis with qualitative studies.
- Developed web-based interfaces and prototypes using JavaScript and HTML for human-AI interaction experiments.

UC Berkeley, School of Education, Prof. Dor Abrahamson, Graduate Student Researcher — Aug 2023 - Dec 2023

- Investigated cognitive processes in tacit knowledge acquisition through learning sciences and cognitive science research, focusing on embodied learning in interactive educational environments.

Tsinghua University, Department of Industrail Design, Prof. Lintao Tang, Student Researcher — Nov 2022 - Jul 2023

- Developed an adaptive AI-driven lighting system that responds to user behavior to create personalized ambient environments.
- Implemented a functional prototype using Raspberry Pi and machine learning, integrating sensor data processing and environmental control algorithms in Python and C++.

Teaching Experience

UC Berkeley, INFO 213: Introduction to User Experience Design, Reader	Aug 2024 - Dec 2024
UC Berkeley, DESINV 22: Prototyping and Fabrication, Lead TA	Jun 2024 - Aug 2024
UC Berkeley, INFO C262: Theory and Practice of Tangible User Interfaces, Lead TA	Aug 2023 - Dec 2023

Awards

MDes Distinguished Scholar Award, University of California, Berkeley	Mar 2023
Social Work Excellence Award, Tsinghua University (2 times)	2023, 2020
Award for Excellence in Literature and Art, Tsinghua University (3 times)	2022, 2021, 2020
Honorable Mention, 3rd China College Student Power Battery Innovation Competition	Nov 2021
First Prize of Youth Group, The 7th Macau-Asia Pacific Youth Piano Competition	Jul 2021
Second Prize of Tsinghua University, Beijing College Students Engineering Ability Competition	Dec 2019

Leadership

Tsinghua University Student Art Troupe Clavier Team, President — Aug 2021 - Aug 2022

- Organized and held large-scale concert activities and art popularization lectures.

Tsinghua University iOS Club, Leader of Publicity Group and Member of Product Manager Team — Aug 2021 - Aug 2022

- Represented the club to Apple headquarters for an interaction and hardware theme exchange, allowing the club to receive support for development equipment, funding, and internship resources.

Skills

Languages: Mandarin Chinese (Native), English (TOEFL 110), Japanese (Fluent)

Programming: C++, Java, Python, MATLAB, Processing, JavaScript, HTML, Max MSP

CAD: Rhinoceros, Grasshopper, Solidworks, AutoCAD, KeyShot, Autodesk Fusion 360

Software: Figma, Microsoft Office, Adobe Photoshop, Adobe InDesign, Logic Pro, Final Cut Pro

Skills: Mechanical Design, Digital Fabrication, Prototyping with Embedded Systems, Music Production

Hobbies: Photography, Musical, Watercolor, Badminton, Cooking, Palmistry, FengShui