

# Bob Tianqi Wei ("Tyan-Chi", he/they)

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## Education

<b>University of California at Berkeley, College of Engineering</b> , CA, USA	Aug 2023 – Dec 2024
Master of Design Program, Human-Computer Interaction	GPA: 3.614/4
<b>Tsinghua University, Dept. of Industrial Design, Academy of Arts and Design</b> , Beijing, China	Aug 2019 – Jun 2023
B.A. in Industrial and Product Design	GPA: 3.71/4

## Research Experience

<b>UC Berkeley, EECS Department, Prof. Bjoern Hartmann</b> , Graduate Student Researcher	Nov 2023 - Present
<ul style="list-style-type: none"><li>Conducted HCI research on generative AI systems for creative work, voice acting, and interactive learning environments, combining quantitative analysis with qualitative studies.</li><li>Developed web-based interfaces and prototypes using JavaScript and HTML for human-AI interaction experiments.</li></ul>	
<b>UC Berkeley, School of Education, Prof. Dor Abrahamson</b> , Graduate Student Researcher	Aug 2023 - Dec 2023
<ul style="list-style-type: none"><li>Investigated cognitive processes in tacit knowledge acquisition through learning sciences and cognitive science research, focusing on embodied learning in interactive educational environments.</li></ul>	
<b>Tsinghua University, Department of Industrial Design, Prof. Lintao Tang</b> , Student Researcher	Nov 2022 - Jul 2023
<ul style="list-style-type: none"><li>Developed an adaptive AI-driven lighting system that responds to user behavior to create personalized ambient environments.</li><li>Implemented a functional prototype using Raspberry Pi and machine learning, integrating sensor data processing and environmental control algorithms in Python and C++.</li></ul>	

## Teaching Experience

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

## Awards

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

## Leadership

<b>Tsinghua University Student Art Troupe Clavier Team</b> , President	Aug 2021 - Aug 2022
<ul style="list-style-type: none"><li>Organized and held large-scale concert activities and art popularization lectures.</li></ul>	
<b>Tsinghua University iOS Club</b> , Leader of Publicity Group and Member of Product Manager Team	Aug 2021 - Aug 2022
<ul style="list-style-type: none"><li>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.</li></ul>	

## Skills

<b>Languages:</b> Mandarin Chinese (Native), English (TOEFL 110), Japanese (Fluent)
<b>Programming:</b> C++, Java, Python, MATLAB, Processing, JavaScript, HTML, Max MSP
<b>CAD:</b> Rhinoceros, Grasshopper, Solidworks, AutoCAD, KeyShot, Autodesk Fusion 360
<b>Software:</b> Figma, Microsoft Office, Adobe Photoshop, Adobe InDesign, Logic Pro, Final Cut Pro
<b>Skills:</b> Mechanical Design, Digital Fabrication, Prototyping with Embedded Systems, Music Production
<b>Hobbies:</b> Photography, Musical, Watercolor, Badminton, Cooking, Palmistry, FengShui