

# Pei-Hua Tsai

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## Education

<b>National Yang Ming Chiao Tung University (NYCU)</b> , Hsinchu City, Taiwan M.S. in Computer Science (GPA: 4.13/4.3)	Sept 2022 – Sept 2025
<b>National Yang Ming Chiao Tung University (NYCU)</b> , Hsinchu City, Taiwan B.S. in Computer Science (GPA: 4.08/4.3)	Sept 2018 – June 2022

## Work Experiences

<b>Research Assistant</b> , Singapore Management University, Singapore	Sept 2024 – Mar 2025
<ul style="list-style-type: none"><li>Contributed to a cross-institutional study with SMU and NYCU on AI-mediated self-disclosure; coordinated logistics and co-authored CHI submission</li></ul>	
<b>User Research Intern</b> , UXI Design Company, Taipei City, Taiwan	Jan 2023 – April 2023
<ul style="list-style-type: none"><li>Identified undergraduates' needs for an online resource platform through desk research, interviews, questionnaires, personas &amp; scenarios, and user journey mapping</li><li>Proposed short- and long-term design recommendations based on synthesized user research</li></ul>	

## Publication

Lin, F. Y., **Tsai, P. H.**, Lee, C. Y., Ho, Y. T., Chen, Y. K., Yen, Y. C., & Chang, Y. J. (2024, May). "I Prefer Regular Visitors to Answer My Questions": Users' Desired Experiential Background of Contributors for Location-based Crowdsourcing Platform. In *CHI 2024: Proceedings of the CHI Conference on Human Factors in Computing Systems* (pp. 1-18). (Acceptance: 26.3% - 1060/4028) (Co-first author)

## Research Experiences

<b>Understanding Opportunities and Concerns of AI Agents Mediating Early Self-Disclosure in Online Dating</b>	Sept 2024 - Sept 2025
<ul style="list-style-type: none"><li>Revealed how users envision AI agents mediating early self-disclosure in online dating through semi-structured interviews and grounded theory analysis</li><li>Methods: Semi-structured interviews</li></ul>	
<b>Leveraging LLMs to Reduce Redundant Reports on Crowdsourcing Platforms</b>	Jan 2023 - Sept 2025
<ul style="list-style-type: none"><li>Evaluated the effectiveness of LLMs in filtering redundant crowdsourcing reports using in-lab studies combining interviews, questionnaires, and task-based experiments</li><li>Methods: In-lab study, semi-structured interviews, questionnaire</li></ul>	
<b>"I Prefer Regular Visitors to Answer My Questions": Users' Desired Experiential Background of Contributors for Location-based Crowdsourcing Platforms</b>	Sept 2021 - June 2023
<ul style="list-style-type: none"><li>Identified users' preferences for contributor backgrounds in location-based crowdsourcing through a three-phase study involving interviews, surveys, and online experiments</li><li>Methods: Semi-structured interviews, surveys, online experiments</li></ul>	
<b>Screenshot Journey Auditor: A System for Facilitating Analysis of Mobile Media Consumption and Engagement Behavior Based on Screenshot Data</b>	June 2022 - Sept 2022
<ul style="list-style-type: none"><li>Developed and deployed a web-based tool (SJA) for analyzing screenshot-based user behavior patterns using machine learning models</li><li>Methods: Machine learning model</li></ul>	

## Project Experiences

<b>User Research for Sleep Aid App</b>	Sept 2022 - Jan 2023
<ul style="list-style-type: none"><li>Designed and validated a sleep aid app prototype based on user needs identified through interviews and usability evaluation</li><li>Methods: Semi-structured interviews, personas &amp; scenarios, Lo-Fi &amp; Hi-Fi prototypes, usability evaluation</li></ul>	
<b>User Research for Online Consulting Platform</b>	Feb 2022 - June 2022
<ul style="list-style-type: none"><li>Proposed design suggestions for an online consulting platform based on user research into user behaviors and needs</li><li>Methods: Interviews, personas &amp; scenarios, comparative analysis, survey, heuristic evaluation, usability evaluation</li></ul>	