

YONG-HAN LIN (she/her)

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Research Interests

Human-AI Interaction, Multimodal Interaction, AI explainability & interpretability, AI-mediated communication

Education

National Yang Ming Chiao Tung University* (NYCU)

Bachelor of Science in Computer Science

Sept. 2018 - June 2022

Hsinchu, Taiwan

- Overall GPA: 3.84/4.3 | Last 60 Credits: 4.07/4.3
- Selected Coursework: Data Structures, Algorithms, Operating Systems, Database Systems, Machine Learning, Natural Language Processing, User Experience & Usability Evaluation, Network Programming, Cloud Services & Development

*Former name: National Chiao Tung University (NCTU)

Skills

Programming : Java, Python, JavaScript, HTML, CSS, R, SQL, C++/C

Software and Tools : Android, Git, Google Cloud Platform, Firebase, Flask, Pytorch, Tensorflow, \LaTeX

Research Methodologies : Experiment Sampling, Usability Testing, Interviews, Thematic Analysis, Diary Studies

Research Experience

Mobile and Ubiquitous Interaction Lab at NYCU

Undergraduate Research Assistant, Advisor: Dr. Yung-Ju (Stanley) Chang

Sept. 2021 - July 2025 (expected)

Hsinchu, Taiwan

- Develop Android research apps using Java and Firebase to collect 150+ users' three-week phone screenshots and to sample their experiences with their phones
- Analyzed 100k+ notification data and 2k+ questionnaire data from 30 study participants' three-week experiences with our Android notification system by implementing experience-sampling method (ESM) and diary studies; the findings resulted in a poster presented at the 2023 UbiComp/ISWC conference [P.1] and a first-author full paper at the 2024 UbiComp/ISWC conference [C.4]
- Led four students in designing and building an enhanced Android notification system in Java, integrating both manual and automatic features such as notification sorting and categorization using a BERT model and Flask backend [project site]
- Collaborated on three notification-related projects by contributing to thematic and statistical analysis, literature reviews, and paper writing; these projects resulted in a full paper at the 2023 CHI conference [C.2], a full paper at the 2024 MobileHCI conference [C.3], and a full paper submission to 2025 MobileHCI conference [C.5]

Human-Centered Design Lab at Polytechnique Montréal

Research Intern, Advisor: Dr. Jinghui Cheng

June 2021 – Jan. 2022

Remote

- Conducted statistical and qualitative content analysis to understand the usage, purposes, and impacts of visual artifacts (e.g. images, videos) in GitHub issue tracker system; the findings resulted in a short paper at the 2022 EASE conference [C.1]

Peer-Reviewed Publications

CONFERENCE & JOURNAL PAPER

[C.5] Uei-Dar Chen, Peng-Jui Wang, Yi-Chi Lee, **Yong-Han Lin**, Yu-Ling Chou, Yung-Ju Chang. From Overwhelmed to Overview: Understanding Smartphone Users' Preferences and Expectations in Relieving Notification Overload via Text Summarization. In submission to MobileHCI 2025 (Minor Revisions).

[C.4] **Yong-Han Lin**, Li-Ting Su, Uei-Dar Chen, Yi-Chi Lee, Peng-Jui Wang, Yung-Ju Chang. Pinning, Sorting, and Categorizing Notifications: A Mixed-methods Usage and Experience Study of Mobile Notification-management Features. In *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (UbiComp 2024)*. [paper link][project site]

[C.3] Tang-Jie Chang, Li-Ting Su, **Yong-Han Lin**, Jie Tsai, Zi-Xun Tang, Yung-Ju Chang. "I Want Lower Tone for Work-Related Notifications": Exploring the Effectiveness of User-Assigned Notification Alerts in Improving User Speculation of and Attendance to Mobile Notifications. In *Proceedings of the ACM on Human-Computer Interaction* (**MobileHCI 2024**). [[paper link](#)]

[C.2] Fang-Ching Tseng, Zih-Yun Chiou, Ho-Hsuan Chuang, Li-Ting Su, **Yong-Han Lin**, Yu-Rou Lin, Yi-Chi Lee, Peng-Jui Wang, Uei-Dar Chen, Yung-Ju Chang. Multiple Device Users' Actual and Ideal Cross-device Usage for Multi-Stage Notification-Interactions: An ESM Study Addressing the Usage Gap and Impacts of Device Context. In *Proceedings of the ACM Conference on Human Factors in Computing Systems* (**CHI 2023**). [[paper link](#)]

[C.1] Vishakha Agrawal*, **Yong-Han Lin***, Jinghui Cheng (*co-first authorship). Understanding the Characteristics of Visual Contents in Open Source Issue Discussions: A Case Study of Jupyter Notebook. In *Proceedings of the 26th International Conference on Evaluation and Assessment in Software Engineering* (**EASE 2022**). [[paper link](#)]

POSTER PAPER

[P.1] **Yong-Han Lin**, Li-Ting Su, Uei-Dar Chen, Peng-Jui Wang, Yi-Chi Lee, Yung-Ju Chang. Automatic, Manual, or Hybrid? A Preliminary Investigation of Users' Perception of Features for Supporting Notification Management. In *Adjunct Proceedings of the ACM International Joint Conference on Pervasive and Ubiquitous Computing & the ACM International Symposium on Wearable Computing* (**UbiComp/ISWC 2023**). [[paper link](#)][[project site](#)]

Industry Experience

Software Engineering Intern

Xaduro Inc. (*travel tech startup*)

Jan. 2021 – June 2021

Taipei, Taiwan

- Collaborated with the engineering team to develop a travel agency system [[official site](#)] that supports over 1K+ active users by using MySQL, PHP, and JavaScript

Teaching Experience

NYCU CS 1270: Introduction to Database Systems (Spring 2022)

Teaching Assistant

Held office hours, supported the creation of questions for assignments, and marked assignments and exams

Honors and Awards

Cornell, Maryland, Max-Planck Pre-doctoral Research School Grant Award (Summer 2024)

Awarded a travel grant to participate at Max-Planck Institute to learn about cutting-edge research in computer science

Taiwan National Science and Technology Council Student Research Grant Award (Fall 2021)

Awarded a grant for doing research on studying users' perception of automatic and manual notification management methods

Polytechnique Montréal Research Internship Scholarship (Summer 2021)

Awarded a scholarship for doing research on improving the usability of scientific open source software

Volunteer and Leadership

Reviewer

ACM CHI 2025 Late-Breaking Work

Student Volunteer

ACM CHI 2023, ACM CSCW 2022

Co-Organizer, Leader of Public Relations Team

NCTU x NTHU Mei-Chu Hackathon 2020

Co-organized the largest student hackathon in Taiwan and led a team of 6 students to contact corporate sponsorship

UX Researcher

NCTU+ 2019 (*student-led group*)

Researched and re-designed the NCTU+ platform used by 10k+ students with a new homepage and several new functions

Event Planner

TED x NCTU 2019

Organized TEDx annual conferences for 200+ participants by designing activities and planning the events schedule