

# 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,  $\text{\LaTeX}$

**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 - Current

Hsinchu, Taiwan

- Develop research apps using Java and Firebase to collect 150+ users' three-week phone screenshots and to sample their experiences with their phones
- Analyzed 30 users' three-week experiences with our Android notification system by designing 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 to design and build an Android notification system with Java that enhances the existing notification system with manual and automatic features, including notification sorting and categorization through the implementation of the BERT model and Flask [project site]
- Collaborated on three notification-related projects by performing thematic and statistical analysis, conducting literature reviews, and writing paper, 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](#)]

## Teaching Experience

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### 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

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### 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

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### 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

## Industry Experience

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### 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 allows more than 1K+ users by using MySQL, PHP, and JavaScript