YONG-HAN (JOANNE) LIN

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Education

University of Illinois Urbana-Champaign (UIUC) Aug. 2025 - Dec. 2026 (Expected)
Master of Computer Science Champaign, Illinois
- Selected Coursework: Applied Machine Learning, Advanced Topics in Natural Language Processing

National Chiao Tung University (NCTU) / National Yang Ming Chiao Tung University (NYCU) Sept. 2018 - June 2022
Bachelor of Science in Computer Science Hsinchu, Taiwan
- Overall GPA: **3.84**/4.3, Last 60 GPA: **4.07**/4.3
- Selected Coursework: Data Structures, Algorithms, Operating Systems, Database Systems, Machine Learning, Natural Language Processing, Cloud Services & Development, User Experience & Usability Evaluation
- Teaching Experience: Teaching Assistant of CS 1270 Introduction to Database Systems (Spring 2022)

Technical Skills

Programming : Python, Java, C++/C, SQL, JavaScript, HTML, CSS, R
Software and Tools : Flask, Android, Pytorch, Tensorflow, Git, GCP, AWS, Firebase, Linux, LaTeX

Work & Research Experience

Research Assistant | *Android Development, Notification System, Human-AI Interaction* July 2022 - June 2025
Mobile and Ubiquitous Interaction Lab at NCTU, Advisor: Dr. Yung-Ju (Stanley) Chang Hsinchu, Taiwan
- Led 4 students team to design and develop a concurrent Android notification system with sorting, pinning, and categorization features using Notification Listener Service API, BERT model, Flask, Room Database, Firebase and Google Cloud [project site]
- Designed and conducted experience-sampling and diary studies to evaluate the effectiveness of a novel notification system, the findings resulted in a **first-author full conference paper** at UbiComp 2024 [paper link] [poster link]
- Built Android research apps to collect 50+ users' phone screenshots every second and to track three-week behavior data using Media Projection API, Firebase, and Google Cloud
- Collaborated on three notification-related projects by contributing to qualitative and statistical analyses, literature reviews, and paper writing: 1) Multi-device notification interaction (**CHI 2023**) [paper link], 2) Customized notification alert system (**MobileHCI 2024**) [paper link], and 3) LLM-powered notification summary system (**MobileHCI 2025**) [paper link]

Research Intern | *Data Analytics, Issue Tracker System, Open Source Software* June 2021 – Jan. 2022
Human-Centered Design Lab at Polytechnique Montréal, Advisor: Dr. Jinghui Cheng Remote
- Analyzed the usage, purposes, and impacts of image data in 4k+ GitHub issues by web crawling, statistical and thematic analyses, the findings resulted in a **co-first author full conference paper** at EASE 2022 [paper link] [video link]
- Researched for improving the usability of open-source software with 5+ McGill University researchers by a reading group

Software Engineering Intern | *Full-Stack Development, Online Travel Agency, Startup* Jan. 2021 – June 2021
Xaduro Inc. Taipei, Taiwan & Remote
- Developed a **1k+** users online travel agency with the engineering team using MySQL, JavaScript, PHP, and AWS [official site]
- Optimized and maintained 20+ partnered hotel reservation websites by fixing reported bugs and improving reliability

Selected Publications

[1] **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] [poster link] [project site]

[2] **Yong-Han Lin***, Vishakha Agrawal*, 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] [video link]

Awards

Cornell, Maryland, Max-Planck Pre-doctoral Research School Grant Award	Summer 2024
Taiwan National Science and Technology Council Student Research Grant Award	Fall 2021
Polytechnique Montréal Research Internship Scholarship	Summer 2021