

KAI-HSIANG CHOU

b07705022@csie.ntu.edu.tw | <https://allenchou.cc/>

EDUCATION

M.S. in Computer Science and Information Engineering	2024 - 2026 (<i>Expected</i>)
B.S. in Computer Science and Information Engineering	2018 - 2024
B.A. in Philosophy (Double-major)	2020 - 2024
National Taiwan University, Taipei, Taiwan	

PUBLICATIONS

Full Papers

- Bot Among Us: Exploring User Awareness and Privacy Concerns About Chatbots in Group Chats**
Kai-Hsiang Chou, Yi-An Wang, Chong Kai Lau, Mahmood Sharif, Hsu-Chun Hsiao
The 26th Privacy Enhancing Technologies Symposium, July 2026
- Amulets, Boxers, and Cybersecurity: Influencer Metaphors in VPN Advertising and the Communication of Cybersecurity Risk**
Yu-Wen Huang, Yu-Jie Lin, Kai-Hsiang Chou, An-Jie Li, Tsai-Hsuan Hsieh, Li-Fei Kung, Wei Jeng
iConference 2026, March 2026
- Bots can Snoop: Uncovering and Mitigating Privacy Risks of Bots in Group Chats**
Kai-Hsiang Chou*, Yi-Min Lin*, Yi-An Wang, Jonathan Weiping Li, Tiffany Hyun-Jin Kim, Hsu-Chun Hsiao
The 34th USENIX Security Symposium, August 2025
- Capturing Antique Browsers in Modern Devices: A Security Analysis of Captive Portal Mini-Browsers**
Ping-Lun Wang, Kai-Hsiang Chou, Shou-Ching Hsiao, Ann Tene Low, Tiffany Hyun-Jin Kim, and Hsu-Chun Hsiao
The 21st International Conference on Applied Cryptography and Network Security (ACNS), June 2023
Best Student Paper Award
- Investigating Advertisers' Domain-changing Behaviors and Their Impacts on Ad-blocker Filter Lists**
Su-Chin Lin*, Kai-Hsiang Chou*, Yen Chen, Hsu-Chun Hsiao, Darion Cassel, Lujo Bauer, and Limin Jia
The Web Conference 2022, April 2022

Posters and Extended Abstracts

- Conversations Reimagined: Human-AI Collaboration in Analyzing How Creators Explain Security and Privacy Tools**
Tsai-Hsuan Hsieh, Yu-Jie Lin, Yu-Wen Huang, Kai-Hsiang Chou, An-Jie Li, Li-Fei Kung, Wei Jeng
ASIS&T Annual Meeting Poster Session, November 2025

*: *Equal Contributions.*

PREPRINTS AND MANUSCRIPTS

Under Review

- Non-Zero Consideration for Privacy: Exploring User Perceptions of Zero-Knowledge Credentials for Privacy-Preserving Age Verification**
Kai-Hsiang Chou, Yunze Zhao, Ian Miers, Michelle L. Mazurek

Work in Progress

- Ethical Decision-Making by Frontline Security Professionals: A Scenario-Based Survey in Cybersecurity Practice**
Kai-Hsiang Chou, Yu-Ju Yang, Yu-Wen Huang, Yu-Jie Lin, Ching-Shiuan Chen, Wei Jeng

THESIS

Against Control Accounts of Privacy
Senior thesis for the B.A. in Philosophy.
Advisor: Professor Shawn Standefer

RESEARCH EXPERIENCE

Research Assistant Network Security Lab, National Taiwan University	Sep. 2019 - Present Taipei, Taiwan
· Advisor: Professor Hsu-Chun Hsiao	
· Co-led a research project on web tracking, resulting in a publication at <i>The Web Conference 2022</i> .	
· Contributed to a research project on captive portal mini-browsers, leading to a conference paper at <i>ACNS 2023</i> that received the <i>Best Student Paper Award</i> .	

- Led a research project on chatbot privacy and secure messaging protocols, resulting in two papers published at *USENIX Security 2025* and *PETS 2026*, and mentored three undergraduate students.

Research Assistant

DxLab, National Taiwan University

Sep. 2024 - Present

Taipei, Taiwan

- Advisor: Professor Wei Jeng
- Participated in a project examining how influencers in Taiwan promote VPN services in sponsored advertisements.
- Led a project exploring cybersecurity professionals' moral intuitions in hypothetical scenarios.

Summer Student Intern

Security, Privacy, People Lab, University of Maryland, College Park

Jun. 2025 - Aug. 2025

Maryland, U.S.A.

- Advisor: Professor Michelle Mazurek
- Led a project investigating public perceptions of using digital IDs for online age verification.

SELECTED WORK EXPERIENCE

The National Institute of Cyber Security

Research Assistant

Sep. 2025 - Present

Taipei, Taiwan

- Conducted interviews with IT personnel in critical infrastructure sectors to understand their daily operations and cybersecurity challenges.
- Contributed to the design and development of cybersecurity incident response training for security professionals.

Yahoo!

SWE Intern at Search Engineering Team

Jul. 2022 - Aug. 2022

Taipei, Taiwan

- Implemented a backend system for a travel website with RESTful APIs using Next.js and PostgreSQL.
- Developed a Chrome extension to display recommended tourist attractions on Yahoo's search results page.

Microsoft

Technical Assistant Intern at Microsoft Consulting Services

Oct. 2019 - Jun. 2020

Taipei, Taiwan

- Participated in the development of a Hospital Information System (HIS).
- Took charge of the Death Certificates and Paper Medical Records management systems.
- Enhanced the performance of the message notification system by 95%.

TEACHING

Cryptography and Network Security

Teaching Assistant (2023), Leading Teaching Assistant (2025)

Spring 2023, Spring 2025

- Designed homework problems, including mathematical proofs and Capture the Flag (CTF) challenges.
- Contributed to project evaluations, mentored student group projects, and conducted TA recitations.
- Received the *Excellent Teaching Assistant Award* in 2023, granted to the top 15% of teaching assistants.

Public Interest Cybersecurity Practices and Society

Leading Teaching Assistant

Fall 2024

- Served as the primary liaison between non-profit organizations and the course.
- Supported collaboration among students from diverse academic backgrounds to understand and address real-world cybersecurity challenges faced by non-profit organizations.

Sprout Program - Python Course

Lecturer (in a team of 5+ lecturers)

Mar. 2021 - Jul. 2023

- Taught introductory Python and computational thinking to high school students in Taiwan.
- Mentored over 50 students annually; average teaching rating above 4.4/5.

PUBLIC SERVICES

Information Department, NTU Student Association

Member (2022, 2025), Deputy Chief (2023), Chief (2024)

- Communicated university policies and practices regarding information security and data protection to students.
- Served as a student representative in university meetings focused on enacting personal data protection and data-sharing regulations, actively contributing to improvements in privacy and transparency in the final regulations.

Activity Team, HITCON (Hack in Taiwan Conference)

Member (2021), Team Leader (2022), Vice Team Leader (2023)

- Led a team of 20+ members to design and run interactive games and activities at HITCON, a major cybersecurity conference in Taiwan.