

Andrew Chu

Ph.D. Student
University of Chicago

Office: John Crerar Library, Room 269
Email: andrewcchu@uchicago.edu
Homepage: <https://andrewchu.org>

RESEARCH INTERESTS

Computer networks and systems, machine learning, network algorithms

EDUCATION

| Degree | Year | University | Field |
|--------|-------|---|------------------|
| Ph.D. | 2021– | University of Chicago Chicago, IL | Computer Science |
| M.S. | 2023 | University of Chicago Chicago, IL | Computer Science |
| B.S. | 2020 | Purdue University West Lafayette, IN | Computer Science |

PUBLICATIONS

* denotes equal contribution.

Refereed Conference and Workshop Publications

- [6] **Understanding Privacy and Quality Tradeoffs in Synthetic Network Data**
[Andrew Chu](#)*, Kyle MacMillan*, Paul Schmitt, and Nick Feamster
Privacy Enhancing Technologies (PoPETS), Jul. 2026
- [5] **NetSSM: Multi-Flow and State-Aware Network Trace Generation using State Space Models**
[Andrew Chu](#)*, Xi Jiang*, Shinan Liu, Arjun Bhagoji, Francesco Bronzino, Paul Schmitt, and Nick Feamster
ACM Conference on Emerging Networking Experiment and Technologies (CoNEXT), Mar. 2026
- [4] **Feasibility of State Space Models for Network Traffic Generation**
[Andrew Chu](#)*, Xi Jiang*, Shinan Liu, Arjun Bhagoji, Francesco Bronzino, Paul Schmitt, and Nick Feamster
ACM SIGCOMM Workshop on Networks for AI Computing (NAIC), Aug. 2024
- [3] **The Dark Side of E-Commerce: Dropshipping Abuse as a Business Model**
Arjun Arunasalam*, [Andrew Chu](#)*, Muslum Ozgur Ozmen, Habiba Farrukh, and Z. Berkay Celik
Network and Distributed System Security Symposium (NDSS), Feb. 2024
- [2] **Behind the Tube: Exploitative Monetization of Content on YouTube**
[Andrew Chu](#)*, Arjun Arunasalam*, Muslum Ozgur Ozmen and Z. Berkay Celik
USENIX Security Symposium, (USENIX Security) Aug. 2022
- [1] **Discovering IoT Physical Channel Vulnerabilities**
Muslum Ozgur Ozmen, Xuansong Li, [Andrew Chu](#), Z. Berkay Celik, Bardh Hoxha, and Xiangyu Zhang
ACM SIGSAC Conference on Computer and Communications Security (CCS), Nov. 2022

TEACHING

- | | |
|---------|--|
| 2024 | Teaching Assistant , CMSC 30254: Machine Learning for Computer Systems University of Chicago |
| 2024-25 | Teaching Assistant , CMSC 33260: Internet Censorship and Online Speech University of Chicago |
| 2021 | Teaching Assistant , CMSC 28400: Intro to Cryptography University of Chicago |

AWARDS

2021 NSF GRFP Honorable Mention

EXPERIENCE

2017–21 Year-Round Intern, R&D — **Sandia National Laboratories**