

Andrew Chu

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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**