Yining "Eddie" Shi

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https://eddshi.xyz/

Education

University of Chicago, Chicago, IL
Ph.D in Computer Science — September. 2025 – Current

University of Michigan, Ann Arbor, MI
Bachelor of Science in Computer Science — Aug. 2022 – May 2025

Honors & Awards

University of Michigan Blue Ribbon Award, Ann Arbor, MI — Apr. 2024

Academic Presentations

ACM Internet Measurement Conference 2025, Madison, WI

- Shi, Y., Ashley, W., & Kon, P. *Unveiling the Nexus: Harnessing IoT Ecosystems for Evading Internet Censorship* [Poster]. https://eddshi.xyz/papers/nexus_poster.pdf

Research Experiences

Department of Computer Science, University of Chicago, Chicago, IL
Research Assistant, advised by Prof. Nick Feamster — Sept. 2025 – Current

- Research member for the DARPA project VeriWeird.

Computer Science and Engineering Department, University of Michigan, Ann Arbor, MI
Research Assistant, advised by Professor Ang Chen — Jan. 2024 – May. 2025

- Collaborating with Patrick Tser Jern Kon, Wyatt Ashley, and Prof. Chen on a novel circumvention model, *Nexus*, utilizing distributed Internet of Things network systems against on-path attacks, circumvent censorship, and traffic surveillance from nation-state adversaries.
- Poster awarded Blue Ribbon at the UROP Symposium, University of Michigan.
- Aiming to publish at **PETS/PoPETs 2026**.

Censored Planet, University of Michigan, Ann Arbor, MI
Research Assistant Intern, advised by Professor Roya Ensafi — Jun. 2023 – Aug. 2023

- Conducted research under Professor Roya Ensafi and PhD student Anna Ablove on Internet Measurement data collection and analyses for a project concerning the growing trend of Geo-blocking ingress traffic from outside networks by both heavily censored and traditionally "free" nation-states.
- Developed the lab's official website and optimized the data fetching mechanism to improve server efficiency and cut costs.

Technical Skills

- **Languages:** Python, SQL, C++, C, HTML, CSS, Ruby, R, Javascript, Golang
- **Frameworks:** Flask, Node.js, Ruby on Rails
- **Development Tools:** VS Code, Docker, Git, MPLab, WireShark, WireGuard, Kali
- **Libraries:** Pandas, Matplotlib, scikit-learn