

Evan Lin

📞 847-757-5042 ✉ elin26@illinois.edu 🔗 linkedin.com/in/evanlin23 🐙 github.com/evanlin23

Education

University of Illinois Urbana Champaign

Expected May 2026

Bachelor of Science in Computer Science, Certificate in Cybersecurity (GPA: 4.00 / 4.00)

Champaign, Illinois

Relevant Coursework: Computer Systems Engineering, Database Systems, Algorithms, Data Structures, Software Design, Cryptography, Technical and Organizational Concepts and Practices in Cybersecurity, Cloud Security Essentials

Technical Skills

Languages: C, C++, Java, Python, JavaScript, Typescript, Assembly (MIPS, x86, RISC-V), SQL

Technologies: React.js, Tailwind, Postman, Node.js, Express.js, AWS, Git, Ghidra, Wireshark, Kali Linux, Axios, GDB

Certifications: GIAC Foundational Cybersecurity Technologies (GFACT); GIAC Cloud Security Essentials (GCLD)

Experience

Information Trust Institute

Nov 2023 – Present

Cybersecurity Researcher

Champaign, Illinois

- Developing Memorizer, a tool used to monitor all memory allocations, accesses, and frees in the Linux kernel.
- Enhanced Memorizer to also track function calls and stack frames for more comprehensive tests.
- Implemented process-specific memory tracking, reducing noise by over 92% and allowing for more granular tests.
- Investigated uses of Memorizer to reduce attack surfaces within Internet of Things devices.
- Utilized gdb to debug changes to kernel code and fix vulnerabilities, increasing speed by over 300%.
- Developed shell scripts to interact with a database to streamline workflow between experimenters and analysts.
- Invited to BsidesChicago to help teach methods to scan and exploit systems to 50+ participants in a guided CTF.
- Delivered presentation on kernel-level security mechanisms with an emphasis on SMAP, SMEP, and UACCESS.

Hack4Impact

Sep 2023 – Present

Software Engineer

Champaign, Illinois

- Collaborated with OpenAQ to build a AQI learning platform with Solid.js for a community of over 1500 members.
- Partnered with EthicsNet, facilitating the annotation of datasets to develop ethical and prosocial AI models.
- Created and tested API endpoints with Postman to ensure secure annotation data retrieval.
- Leveraged MongoDB, Express.js, and Node.js to provide functionality for the EthicsNet admin dashboard.
- Utilized React.js and Tailwind to build components to provide a clean annotation user experience.

Association for Computing Machinery – University of Illinois Urbana Champaign

Sep 2023 – Present

Infrastructure Team, Admin API Team

Champaign, Illinois

- Leveraging AWS Lambda, AWS IAM, and DynamoDB to enforce access controls across all ACM platforms.
- Developed platform to manage permissions for ACM services utilizing a custom Python CRUD API.
- Designed frontend using React, Tailwind, and NextUI to facilitate administration over user roles and permissions.

Oakton College

May 2021 – July 2022

American Mathematics Competition Preparation Instructor

Des Plaines, Illinois

- Created 4 unique curricula and crafted new AMC-style questions for 40 assignments covering competition topics.
- Independently taught over 50 students, led several courses and office hours, and refined lessons from feedback.

Projects

Lumberjack | Best Developer Tool at HackIllinois 2024 | React, Axios, Python, TypeScript, Docker

- Developed tool to monitor log files generated by docker containers as well as CPU and RAM usage.
- Leveraged an unsupervised clustering model to check for outliers to identify anomalies.

Archery Tracker App | React Native, Javascript

- Created lightweight arrow tracking tool to optimize practice sessions, decreasing downtime between rounds.
- Utilized application for practices leading to qualifying for the world archery tournament.

Honors and Awards

3rd Place Team Captain at TracerFIRE: Incidence response and forensics CTF | Sandia National Labs | Mar 2024

National Cyber Scholar with Honors: Semester-long CTF | National Cyber Scholarship Foundation | Oct 2023, Jan 2024

2 time AIME Qualifier: Top 5% of AMC 12 | Mathematical Association of America | 2021-2022, 2022-2023