

Ethan Wang

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EDUCATION

University of California, Davis Sep. 2025 – Present
Ph.D. in Computer Science | GPA: 4.00 Davis, CA

University of California, Davis Sep. 2021 – June 2025
B.S. in Computer Science | GPA: 3.98 Davis, CA

RESEARCH EXPERIENCE

University of California, Davis Sep. 2025 – Present
Graduate Student Researcher, Breakerspace Lab, Advisor: Professor Zubair Shafiq Davis, CA

- Instrumented honey website and automated experiments to capture seven AI browsing agents' browser and interaction-level behavioral fingerprints.
- Designed and executed a human participant study to obtain human-produced fingerprints.
- Trained and interpreted machine learning classifiers to characterize differences among seven AI browsing agents' and humans' fingerprints.

University of California, Davis Apr. 2023 – Sep. 2025
Undergraduate Research Intern, Computer Security Lab, Advisor: Professor Hao Chen Davis, CA

- Designed and proposed experiment pipelines.
- Designed and automated AI Agent defense evaluations.
- Wrote Python and Bash scripts to automate filtering of ~20,000 GitHub repositories per day.
- Documented code, issues and solutions, data/file formats, and requirements for data.

INDUSTRY EXPERIENCE

Cisco June – Sep. 2024
Quality Assurance Intern San Jose, CA

- Set up secure Linux web server remotely and from scratch to host a third-party tool.
- Automated baseboard management controller (BMC) manual tests using Python to cut down time spent testing by up to 60%.
- Developed, reorganized, and optimized an existing BMC stress test, improving user experience and increasing process automation by 40%.
- Performed test planning and writing as well as manual testing of BMC functionality.

Intel June – Dec. 2022
Software Tools Developer Intern Remote, CA

- Developed web-based tool using Angular and TypeScript to create and dynamically view circuit models and run simulations.
- Updated and developed existing proof-of-concept code and other tools.
- Set up CI/CD on GitHub to deploy web tool on an external cloud hosting service.
- Collaborated with other software engineers and end users to propose and produce new features and UI/UX updates.

SKILLS

Languages : Python, JavaScript/TypeScript, HTML, CSS, C++, Golang, SQL/PostgreSQL, Bash, Dafny

Tools : Git/GitHub, Linux, Docker, Hypothesis, Z3, Selenium