Qiushi Liu

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Education

University of Illinois Urbana-Champaign (UIUC), B.Sc in Electrical Engineering — Sept 2021 – May 2025
- **GPA:** 3.70/4.00
- **Coursework:** Parallel Programming, Data Structure, Computer Systems, Data Science, Analog Signal Processing, Power Circuits and Electromechanics, etc.
- Expected to graduate with a Minor in Computer Science

Zhejiang University, B.Eng in Electrical Engineering — Sept 2021 – May 2025
- **GPA:** 3.73/4.00
- **Coursework:** Discrete Mathematics, Electronic Circuits, Linear Algebra, Calculus, etc.

Experience

Summer Research, Stevens Institute of Technology — May 2024 - Oct 2024
- Conducted research under Prof. Susan Liu on several projects about LLM Agents and Vulnerability Analysis
- Designed and implemented tool-calling agents and an automated system for vulnerability information collection and analysis

Teaching Assistant, CS 225 Data Structure @ UIUC — Jan 2024 - May 2024
- Assisted Prof. Volodymyr Kindratenko and Prof. Yushi Cheng in teaching the course
- Responsibilities include answering questions in weekly office hours and grading coding assignments using scripts

Teaching Assistant, ECE 120 Introduction to Computing @ UIUC — Jan 2023 - May 2023
- Assisted Prof. Ujjal Kumar Bhowmik in teaching the course
- Responsibilities include leading weekly discussion sessions, answering questions in weekly office hours, grading assignments and organizing exams during the semester

Student Research, Wearable Sensors for Waist Posture and Disease Detection — Apr 2022 - May 2023
- Supervised by Prof. Huan Hu from ZJU-UIUC Institute and sponsored by China National Student Innovation and Entrepreneurship Training Program
- The project aims to create a sensor that can be used to detect posture and pressure on the waist, and to find ways to use the measured data for diagnosis and analysis

Publications

Explainable Retrieval of Vulnerability-Relevant Commits for Security Vulnerability Reports — Nov 2024

Yuchen Xiong, *Qiushi Liu*, and Xueqing Liu

Manuscript in preparation; expected submission to ACM TOSEM

Extracurricular

Vice President, Algorithm Club of ZJU Haining Campus — Sept 2022 - Jun 2023
- Built and maintained a Online Judge system for the club
- Participated as a problem writer in the algorithm competition of the campus
- Participated as a presenter in the campus algorithmic course

Hardware Security Testing Intern, Shandong Secdeer Security Technology Ltd — Jul 2022 - Aug 2022
- Worked with experienced developers on the development of IoT security devices and their related software
- Learned the basics of network attack and defense and participated in the CTF competition

Honorable Mention, Mathematical Contest in Modeling (COMAP - MCM) — May 2022