

Elijah Farrell

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Computer Science graduate with hands-on experience in technical environments, from setting up systems to troubleshooting software and working on team-based projects. I enjoy solving problems, learning new tools, and staying involved in the practical side of tech. I'm looking for a role where I can keep growing my skills while contributing to real-world work that matters.

Experience

Research Assistant - Center for Safe and Secure AI Robotics

High Performance Computing and Distributed Systems Division

SUNY Polytechnic Institute | Feb 2025 - May 2025

- Developed a real-time, multi-agent conversation application in C++/GTK to enable structured dialogue between local LLMs via HTTP API (Ollama).
- Led a team of four to deploy the platform across 30 NVIDIA Orin Nano-powered lab machines, managing network configuration and endpoint support.
- Designed and implemented memory architecture and message-routing pipelines to support long-running, context-aware conversations with user-friendly tools for personality configuration and room lifecycle control.

Work Study Assistant - The Workplace

August 1st 2021 - December 1st 2021 | Watertown, NY 13601

Education

Bachelor's Degree in Computer Science | Graduated: May 2025

SUNY Polytechnic Institute - Utica, NY | GPA: 3.88 | Magna Cum Laude

Associate's Degree in Computer Science | Graduated: 2023

Jefferson Community College - Watertown, NY | Phi Theta Kappa Honor Society (2022-2023)

Relevant Courses

Intro to Web Page Design · Principles of Programming Languages · Software Engineering · Operating Systems & Networking · Operating System Environments · Computer Organization · Systems Analysis & Design

Skills

- **Languages:** Python, C/C++, Java, SQL, HTML, CSS, JavaScript, and more
- **Strengths:** Windows, Linux, UNIX, Mac OS, Technical support, Debugging, Scripting, Git, Documentation