

EDUCATION

Purdue University

B.S. Computer Science (specializing in Machine Learning) and Mathematics

• **Relevant Coursework:** Data Structures and Algorithms, Computer Architecture, Linear Algebra II

West Lafayette, IN

Aug 2024 – May 2027

SKILLS

Languages: Python, JavaScript, C/C++, Java, R, Mathematica

Technologies: LangChain, FastAPI, Azure (Cosmos DB, AI Search), Git, LaTeX, OAuth2.0, Google Cloud, Django, ARMv8

EXPERIENCE

Xerox

Software Engineering Intern

• Developed autonomous support chatbot with **Python** and **LangChain’s ReAct framework**, implementing chain-of-thought reasoning and tool-calling to diagnose Xerox product issues

• Built **FastAPI** backend with **Azure Cosmos DB** for storage and deployed GPT-4o for intelligent responses

• Taught engineers and customer support to use my tool to save time

• Collected data via reverse engineering and web scraping of Xerox sites for videos and product documentation

• Implemented auth with **OAuth2.0** from scratch

Rochester, NY

June – Aug 2025

Frintz (startup)

Software Engineering Intern

• Built ad-targeting using **computer vision** to correlate customer images to precise industry classification codes

Rochester, NY

Aug – Oct 2024

Spraying Systems

Research Intern

• Built RAG system using **GPT-3.5** and **Azure AI Search** to allow sales to quickly find information across product documentation

• Aggregated **4000+** detailed product specification documents and made them searchable, allowing a major time save for the Sales team

Chicago, IL

May – Aug 2023

RESEARCH EXPERIENCE

Purdue University

Undergraduate Researcher, Advisor: Prof. Chunwei Liu

• Conducting research in databases and AI, currently focusing on improving RAG (retrieval-augmented generation) retrieval systems through coreference resolution techniques

West Lafayette, IN

Oct 2025 – Present

PROJECTS

Email Sentinel (GitHub)

• Built open-source app to monitor email inboxes, classify emails with LLMs, and notify users with Telegram/Twilio APIs

Jan 2024 – Mar 2024

ACHIEVEMENTS

Tutored 60+ students from 9 countries as a volunteer tutor at schoolhouse.world in **math/English**

Ranked **#44 nationally** amongst US high schools in the **CMU picoCTF** cybersecurity competition

Qualified for the **New York State Mathematics League** finals