Andrew Zou

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EDUCATION

Rochester Institute of Technology | *Rochester, NY*   ***Anticipated Graduation: May 2026***

Bachelor of Science | Computer Science

Relevant Courses | Analysis of Algorithms, Principles of Data Management, Principles of Data Mining, Intro to Software Engineering, Intro to Artificial Intelligence, Concepts of Parallel & Distributed Systems

SKILLS

Languages & Frameworks | Java, Python, C#, HTML, CSS, PostgreSQL, JavaScript, React, Vite, NodeJS, NextJS, Angular, Tailwind CSS

Software & IDE's | VS Code, Visual Studio, GitHub, Git, Figma

EXPERIENCE

ITS Communications Support | *RIT ITS*   **November 2023 - Present**

- Working proactively with a team to help support 20,000+ staff and students, ensuring seamless operation and maintenance of campus voice and data networks
- Assisting customers with resolving their voice and network issues, ensuring minimal downtime

Software Engineering Fellow | *Headstarter*   **July 2024 - September 2024**

- Built and deployed 5 AI projects in 5 weeks with 3 fellows utilizing React, NextJS, Firebase, Clerk, and Vercel, following agile methodologies and CI/CD practices for iterative development
- Implemented a web scraper that automatically extracts data from Rate my Professor and upsert to a Pinecone index, integrated with a RAG pipeline using LangChain and OpenAI GPT-4o
- Participated in weekly sessions with engineers from Google, Amazon, Stanford, and venture-backed startups

Website Intern | *Microsoft Technology Campus (SCIP)*   **December 2021 - March 2022**

- Collaborated with a team to design web pages, participating in regular meetings to discuss and refine ideas
- Gained extensive knowledge in UI/UX and designing, creating user-friendly and visually appealing web pages

PROJECTS

Movie Database Application | *Python, PostgreSQL*

- Engineered a robust friend system, enabling users to connect with others, share movie recommendations, and explore their preferences using an integrated playlist feature
- Architected and deployed a robust PostgreSQL database in a team environment, efficiently storing over 100,000 movies, encompassing essential metadata
- Developed key functionalities, including a recommendation system that suggests movies based on the user and their friends' ratings and watched genres / movies

U-Fund Website | *Angular, CSS, Java*

- Created a site enabling users to support a cause by purchasing products and services to help enhance user engagement and contribution
- Designed and implemented a user-friendly and responsive frontend utilizing Angular and CSS, ensuring seamless integration with the backend
- Worked closely with teammates to develop backend functionalities, contributing to the backend testing and core functions using Java