

# Andrew Zou

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## EDUCATION

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**Rochester Institute of Technology** | *Rochester, NY*

*Anticipated Graduation: May 2026*

Bachelor of Science | Computer Science

**Relevant Coursework:** Linear Algebra, Intro to Software Engineering, Discrete Math, Analysis of Algorithms

**Languages & Tools:** Java, Python, C#, HTML, JavaScript, React, NextJS, Angular, GitHub, Trello, Slack

## WORK EXPERIENCE

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**Software Engineering Fellow** | *Headstarter*

July 2024 - Present

- Building 5+ AI apps and APIs utilizing NextJS, OpenAI, Pinecone, StripeAI, along with participating in bi-weekly Hackathons
- Coached by Amazon, Bloomberg, and Capital One engineers on agile, CI/CD, Git, and microservice patterns
- Developing projects from design to deployment with 4 engineering fellows using MVC design patterns

**ITS Communications Support** | *RIT*

**Rochester, NY** | November 2023 - Present

- Worked proactively with a team to help maintain and fix the campus voice and data networks
- Collaborated with team members to diagnose and fix any network and voice issues, employing technical expertise and problem-solving skills
- Assisted customers with resolving their voice and network issues, ensuring minimal downtime

**Website Intern** | *Microsoft Technology Campus (SCIP)*

**Manhattan, NY** | December 2021 - March 2022

- Collaborated with a team to design website pages, participating in regular meetings to discuss and refine ideas
- Developed strong communication skills through frequent team interactions and feedback sessions
- Gained extensive knowledge in UI/UX and designing, applying best practices to create user-friendly and visually appealing web pages

## PROJECTS

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**Movie Database Application** | *Python, PostgreSQL*

January 2024 - April 2024

- Developed a Python-based application for users to manage watched movies, rate them, create collections of movies, and add friends
- Architected and deployed a robust PostgreSQL database in a team environment, optimizing data loading and query response times
- Collaborated with team to develop 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 (HTML & TypeScript), CSS, Java*

August 2023 - December 2023

- Developed 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 (HTML & TypeScript) and CSS, ensuring seamless integration with the backend
- Collaborated with teammates to develop backend functionalities, contributing to the backend testing and core functions using Java