

Brandon Zaragoza

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Education

Iowa State University
B.S. in Computer Science
Minor in Cyber Security

Ames, IA
May 2025

Work Experience

Source Allies

May 2025 – August 2025

Summer Apprentice

- Served as Delivery Lead for an internal Generative AI initiative, driving project execution and coordination
- Utilized TDD and XP practices to Develop Agentic AI systems incorporating Retrieval-Augmented Generation (RAG) and Model Context Protocol (MCP)
- Developed a frontend UI with React and TypeScript, and integrated a Slack app, both powered by a shared Python FastAPI backend
- Leveraged AWS and Azure to design and maintain a cloud-agnostic infrastructure

John Deere

October 2022 – May 2025

Part-Time Student UX Team Software Engineer

- Develop and maintain full-stack web applications using React and Spring Boot
- Integrate CI/CD pipelines with GitHub Actions to streamline deployment
- Implement comprehensive automated testing with React Testing Library, Jest, and Playwright
- Collaborate on an agile software team to deliver scalable, user-friendly features

Iowa State University - ASC

January 2023 – March 2023

Academic Tutor for COMS 227

- Provided academic support for groups of students in an introductory object-oriented programming course
- Facilitated an engaging and supportive learning environment to enhance understanding of core concepts
- Tailored tutoring sessions to meet individual student needs and learning styles

Iowa State University – College of Liberal Arts and Sciences

Aug 2022 – January 2023

Computer Science Peer Mentor

- Mentored 20+ first-year computer science students, helping them transition into university life and their major
- Led weekly sessions focused on academic success, campus resources, and community building
- Served as a key point of contact for guidance on both academic and personal challenges

Awards and Events

HackIowaState v2 (3rd Overall)

October 2023

100 Guest 24 Hour Hackathon for Iowa State University Students

- 3rd overall out of 23 teams
- Designed and built a prototype for a cattle database to be used on the field
- Built with ReactJS and Spring Boot

Technical Skillset

- **Certifications:** AWS AI Practitioner
- **Languages (Advanced):** Java and Javascript
- **Languages:** TypeScript, Python, Lua, C, and C++
- **Frameworks:** ReactJS, Spring Boot, Playwright, Jest, NPM, and Redux
- **Platforms:** AWS