

DIEGO SAAVEDRA

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EDUCATION

University of Illinois at Urbana-Champaign

Expected Graduation: December 2024

The Grainger College of Engineering

Bachelor of Science in Computer Science

Relevant Coursework: Data Structures and Algorithms, Computer Architecture, Web Programming, Database Systems, Distributed Systems, Systems Programming, Probability and Statistics, Text Information Systems, Machine Learning

EXPERIENCE

Soma Reality, Los Angeles, CA

Jan 2024 – April 2024

Software Engineer Intern

- Developed user interface features in a dynamic startup environment, collaborating closely with designers. Solved pagination issues by efficiently fetching large lists of text from the database and gradually loading more content, optimizing performance. Integrated Redux for effective state management and presented the results to the **CTO** and **CFO**.
- Engineered backend processes using Node.js and AWS, enhancing system performance and scalability to support growing user demands. Optimized AWS infrastructure, implementing resource management strategies that **reduced operational costs by 20%** and **improved data retrieval speed by 30%**.

The Grainger College of Engineering

May 2024 – July 2024

NSR Group Leader

- Facilitated the successful transition for **over 2,500** incoming engineering students by leading orientations, developing and delivering presentations, planning activities, and collaborating with academic advisors to resolve registration errors.

University of Illinois at Urbana-Champaign

Jan 2023 – May 2023

CS 397 Independent Study with Professor Yuxiong Wang

- Fine-tuning GPT models for text processing in applications from thousands of dataset examples to optimize token usage and reduce request latency. Utilized Google Cloud Vision for image recognition, integrating its results with the fine-tuned model.

PROJECTS

- HelloAI** – Created an AI multi-platform mobile app published on the App store that combines a traditional chat platform with AI models, featuring an intuitive interface designed for collaborative learning and interaction. Integrated multiple-choice questions, displaying correct answers, group chat members' statistics, and explanations. [Video Demonstration](#)
- Interactive Portfolio "Media Kit" for BYOB.ai** – Custom-designed a dynamic web platform for content creators' portfolios. The platform allows users to display and update their statistics with interactive graphs. [View Project](#)
- CS Degree Tracker** – Developed a web application for tracking bachelor's degree progress. Integrated the UIUC Courses API for efficient data retrieval and enabled user accounts for personalized progress tracking. [View Project](#)

SKILLS

Programming Languages: JavaScript, Python, Java, C/C++

Frameworks/Tools: React, Node.js, AWS, Firebase, Express, MongoDB, Docker

Development Practices: Agile/Scrum, Test-Driven Development, Continuous Integration/Continuous Deployment (CI/CD)