

DIEGO SAAVEDRA

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EDUCATION

University of Illinois at Urbana-Champaign

Bachelor of Science, Computer Science

Expected Graduation: December 2024

GPA: 3.5/4.0

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

EXPERIENCE

Soma Reality

Los Angeles, CA

Software Development Intern

Jan 2024 – May 2024

- Developed and deployed 6 key features across both the web app (React) and mobile app (React Native), focusing on full-stack responsibilities by integrating front-end features with Node.js back-end services, resulting in a 15% increase in user engagement for 500+ active users.
- Automated AWS Lambda functions and S3 bucket operations, streamlining routine infrastructure tasks and saving 70+ hours of manual work per month.
- Diagnosed and resolved data pagination issues, improving performance and scalability, and presented solutions to the CTO and CFO.

HelloAI

Founder & CEO [[Video Demo](#)]

Aug 2023 – Present

- Led the development of a social learning app using React Native and GPT-4 API, that provides instant answers and explanations for scanned multiple-choice or manually typed questions within group chats.
- Grew the user base to 100+ users within the initial months by prioritizing user feedback and market analysis.

University of Illinois at Urbana-Champaign

Champaign, IL

Independent Study Research

Jan 2023 – Aug 2023

- Conducted research under Professor Yuxiong Wang, using Python to optimize large language models (LLMs) for text processing, reducing token usage by 25%.

University of Illinois at Urbana-Champaign

Champaign, IL

Undergraduate Course Assistant for CS222 Software Design Lab

Aug 2024 – Present

- Mentored multiple student teams of four on independent projects, assisting them in developing new skills.
- Answered student questions (8 hours/week) on course website, accessed by 500 students.

PROJECTS

- **LA Crime Observation** – Developed a high-performance data processing system in C++ to integrate & optimize LAPD data, processing over 500k records in real-time using advanced SQL queries to reduce query time.
- **CS Degree Tracker** – Created a web application to track bachelor's degree progress, using TypeScript and React for the frontend and Node.js for the backend. Integrated the UIUC Courses API for real-time data retrieval and developed a user-friendly interface with personalized accounts.

SKILLS

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

Frameworks/Databases: React, React Native, Angular, Node.js, Express.js, TypeScript, Spring, Django, Flask, Redux, AWS, Firebase, MySQL, PostgreSQL, MongoDB

Tools/Methodologies: Agile/Scrum, CI/CD, Git, Docker, Kubernetes, RESTful APIs, GraphQL, Jenkins, Figma

Spoken Languages: English, Spanish