

DIEGO SAAVEDRA

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EDUCATION

University of Illinois at Urbana-Champaign

Bachelor of Science in Computer Science

Expected Graduation Date: Dec 2024

Relevant Coursework: Data Structures, Computer Architecture, Software Engineering, Web Programming, Probability & Statistics, Database Systems, Algorithms & Models of Computation, Machine Learning

EXPERIENCE

Soma Reality

Jan 2024 – April 2024

Software Development Intern

- Developing advanced mobile app features that are promptly deployed to production and utilized by thousands of active users.
- Implemented a pagination feature for stories, which efficiently fetches a large list of text from the database and gradually loads more, optimizing performance using Redux, JavaScript (React Native), and Firebase.
- Effectively communicating with fellow software engineers and presenting results to the team and CEO.
- Identifying and resolving technical challenges related to performance, security, and scalability.

PROJECTS

HelloAI [CLICK HERE](#) for video demonstration!

- Started a solo venture, built the MVP, and developed a demo app with a waitlist of over 100 users awaiting the app's launch.
- Developed an AI-integrated social chat mobile application, that enables real-time messaging using GetStream, AWS for user authentication, and OpenAI API for instant responses and enhanced collaboration.
- Users can practice exam questions by taking photos of questions or creating custom multiple-choice questions. AI provides correct answers with explanations while displaying the correctness of group members' responses.

CS Degree Tracker

- Developed a web application for tracking MCS and bachelor's degree progress. Uses React, Node.js, Express.js, MongoDB, and JSON.
- Enabled user accounts for progress tracking and utilized the UIUC Courses API for efficient data retrieval.

LA Crime Observation

- Collaboratively (4 ppl.) developed an advanced crime observation platform for Los Angeles, showcasing expertise in Python, NumPy, and C++.
- Engineered an efficient data pipeline, optimizing LAPD data extraction and integration through advanced SQL queries.

Doggy Match [CLICK HERE](#) for video demonstration!

- Collaboratively (4 ppl.) developed a dog meetup app with Tinder-like swipe functionality using Java.
- Utilized Android Studio for the front-end, Spring Boot for the back-end and MySQL for secure storage of user data.

SKILLS

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

Frameworks/Tools: React Native, React, AWS, Firebase, MongoDB, Spring Boot, Redux

Spoken Languages: English, Spanish