DIEGO SAAVEDRA

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EDUCATION

University of Illinois at Urbana-Champaign   *Expected Graduation Date: Dec 2024*
Bachelor of Science in Computer Science

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

EXPERIENCE

Soma Reality   *Jan 2024 – April 2024*
Software Development Intern

- Leading the development of advanced mobile app features, with a focus on achieving peak performance, responsiveness, and delivering an exceptional user experience.
- Designing and implementing robust APIs, serving as the backbone of the application, and facilitating fluid communication between front-end and back-end structures.
- Optimize the app for speed, scalability, and cross-platform compatibility. Proactively identify and resolve technical challenges related to performance, security, and scalability.

PROJECTS

HelloAI   [CLICK HERE](#) for video demonstration!
> *React Native*

- 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 a photo or writing a multiple-choice question. The AI provides correct answers with explanations while displaying the correctness of group members' responses.
> *Expo*

- *Recreated the AI-integrated social chat app using Firebase Realtime Database for real-time messaging and Redux for state management.*
- *Added audio voice messages, and optimized storage with Firebase Storage for image attachments.*

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