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 and Algorithms, Computer Architecture, Software Engineering, Web Programming, Internet of Things, Probability and Statistics, Database Systems, Embedded Systems

PERSONAL PROJECTS

HelloAI   *Feb 2023 – Aug 2023*
[CLICK HERE](#) *for video demonstration!*
  Bare React Native
- Developed an AI-integrated secure chat application, that enables real-time messaging using GetStream, AWS for secure user authentication, and OpenAI API for instant responses and enhanced collaboration.
- Implemented a photo-based feature, allowing users to snap multiple-choice questions and receive immediate answers with explanations, along with access to similar interactive practice questions. Users can also create custom interactive multiple-choice questions. Integrated user analytics to track the correctness of responses within group chats.
  Expo
- Replicated the functionality of the AI-integrated chat application as described above, with the notable distinction of utilizing Firebase Realtime Database instead of Get Stream for real-time messaging and Redux for state management.
- Implemented Firebase for secure user authentication and included audio voice messages and image attachments within chat conversations, with optimized storage using Firebase Storage.

LA Crime Observation   *Jan 2023 – May 2023*
- Collaboratively (4 ppl.) developed an advanced crime observation platform for Los Angeles, showcasing expertise in SQL and C++.
- Engineered an efficient data pipeline, optimizing LAPD data extraction and integration through advanced SQL queries.

Tik Tok Clone Web App   *June 2022 – Aug 2022*
- Developed a TikTok-inspired video hosting app, showcasing adept web development skills.
- Implemented a scalable Firebase database and integrated Node.js for enhanced server-side capabilities.

Doggy Match   *Sept 2021 – Dec 2021*
[CLICK HERE](#) *for video demonstration!*
- Developed a dog meetup app with Tinder-like swipe functionality, emphasizing backend expertise using Java and Spring Boot.
- Utilized Android Studio for the front-end, ensuring a seamless user experience.
- Implemented multiple user roles and utilized 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