DIEGO SAAVEDRA

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EDUCATION

University of Illinois at Urbana-Champaign　　　　　　　　　　*Expected Graduation: December 2024*

Bachelor of Science, Computer Science　　　　　　　　　　　　　　　　　　　　　*GPA: 3.5*

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

EXPERIENCE

Soma Reality, Los Angeles, CA　　　　　　　　　　　　　　　　　　*Jan 2024 – May 2024*

Software Development Intern

- Contributed to the development of a mobile app in a fast-paced, early-stage startup environment.
- Added features to the app with 200+ monthly users using React and Redux, increasing user engagement by 15%.
- Optimized AWS infrastructure by automating routine tasks, saving 130+ hours of manual management per month.
- Resolved data pagination issues, enhancing performance and presenting solutions directly to the CTO and CFO.

University of Illinois at Urbana-Champaign　　　　　　　　　　*Aug 2024 – Dec 2024*

Undergraduate Course Assistant for CS222 Software Design Lab

- Mentored and collaborated with multiple student teams of five on independent projects, assisting them in developing new skills and gain team experience.

Forward Data Lab UIUC　　　　　　　　　　　　　　　　　　　*May 2024 – Aug 2024*

Undergraduate Researcher

- Analyzed faculty hiring data using Cypher queries in Neo4j, implementing a variation of Dijkstra's Algorithm to optimize pathfinding in a 206-node DAG.

PROJECTS

- **HELLOAI –** Developed a React Native app that combines an advanced chat platform with the GPT-4 API for collaborative learning. Features include scanning multiple-choice questions with instant answers and detailed explanations, along with users' answer statistics. Video Demonstration
- **LA Crime Observation** – Developed a high-performance data processing system in C++ for integrating and optimizing LAPD data using advanced SQL queries.
- **CS Degree Tracker –** Created a web application to track bachelor's degree progress, integrating the UIUC Courses API for real-time data retrieval and personalized user accounts.

SKILLS

Programming Languages: JavaScript, Java, C++, Python
Frameworks/Tools: React, Node.js, TypeScript, AWS, Spring, Firebase, Django, MySQL, Agile/Scrum, Figma, CI/CD
Spoken Languages: English, Spanish