

# Dorian Jimenez

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## EDUCATION

### University of California, Los Angeles (UCLA)

- B.S. in Computer Science | Cumulative GPA: 3.796
- M.S. in Computer Science | Cumulative GPA: n/a

Sept 2019 - April 2023

Sept 2023 - Expected Jan 2025

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## WORK EXPERIENCE

### Software Developer Intern @ Freddie Mac

June 2022 - August 2022

- Orchestrated a seamless migration of code from Oracle WebLogic to a modernized microservices architecture on AWS, employing Java and the Spring Framework for efficient development and deployment.
- Demonstrated proficiency in Java and Spring, integrating rigorous JUnit testing, and implementing CI/CD pipelines using Jenkins and Jira for streamlined development processes.
- Gained exposure to essential technologies, including Docker, OpenShift, JavaScript, AWS, and Jenkins, while contributing to the successful transformation of Freddie Mac's codebase.

### Operational Supervisor @ ASUCLA

Oct 2021 - Present

- Lead and supervise teams of 6-10 students during high-profile UCLA games, including football and basketball events, ensuring seamless game-day operations and fan engagement.
- Oversee the successful sale of UCLA merchandise and related products at major events, meticulously coordinating game preparations and maintaining precise stock level management to meet demand.
- Cultivate and demonstrate strong organizational and teamwork skills while thriving in dynamic and fast-paced environments, contributing to the overall success and efficiency of game-day operations at ASUCLA.

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## TECHNICAL SKILLS

- **Frontend:** React, Redux (2 YOE) — React Native, Tailwind CSS (1 YOE)
- **Backend:** AWS (Certified SAA) — SQL (primarily PostgreSQL, 3 YOE) — Firebase, NoSQL (primarily Firestore), Python Flask, Java Spring, Microservices, REST APIs (2 YOE)
- **Misc:** Git, IoT (4 YOE) — Docker, ML (primarily CV), Networking (2 YOE)
- **Languages:** Python, C++ (4 YOE) — Javascript, Java (2 YOE)

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## PROJECTS

### dorianjimenez.com

April 2023 - Present

Developer

React, Tailwind CSS, AWS Amplify, AWS Route 53

- Developed a dynamic and responsive website using React and Tailwind CSS, providing an engaging user experience while maintaining a sleek and modern design.
- Implemented robust cloud infrastructure with AWS Amplify and AWS Route 53, ensuring high availability, scalability, and efficient domain management for the website.

### Reliable Transport Protocol over UDP

Sept 2021 - Dec 2021

Developer

Networking, TCP/UDP, C++ Socket Programming, Client/Server

- Designed and implemented a robust transport protocol incorporating TCP Tahoe congestion control, a secure 3-way Handshake, and comprehensive error handling mechanisms layered atop UDP, enabling efficient and reliable packet delivery over challenging, loss-prone networks.
- Constructed the client-server architecture using low-level C++ socket programming.

### JumpStart

Sept 2022 - Dec 2022

3 Developers

Arduino, BLE, Motion Detection, Embedded Systems, XGBoost, Javascript

- Co-developed an alarm clock that requires users to do jumping jacks to turn it off, utilizing Arduino Nano 33 for motion detection, XGBoost-based machine learning for precise activity recognition, and BLE technology for interactive functionality.