CONNOR LAM

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EDUCATION

University of California, Berkeley - Bachelors of Arts, Computer Science & Data Science   Graduating Dec 2023
Irvine Valley College - Associates of Arts, Math & Physics   May 2021

TECHNICAL SKILLS

Language | C/C++, CSS, HTML, Java, Javascript, Python   **Frameworks** | React Native
Developer Tools | AWS, Expo, IntelliJ, Git, npm, Visual Studio, VS Code   **Libraries** | pandas, NumPy, Matplotlib

EXPERIENCE

Researcher & Engineer | Stratus API - Cloud at Cal   Feb 2023 - Present

Train and deploy machine learning in the cloud with a single API   JavaScript | HTML | AWS | Python

- Facilitated discussions with research team to assess client expectations and construct cloud architecture design
- Modeled data and constructed API endpoints to allow for seamless frontend integration to backend
- Implemented automation of training machine learning models to be readily deployed with ease for small-medium businesses

Back-End Software Engineer Intern | Rimble   Jun 2022 - Aug 2022

Remote learning management system web application   JavaScript | Python | AWS

- Developed and implemented features to collect real-time and historical data for popular E-Sports games, expanding Rimbles service to 20 additional e-sports games
- Integrated scripts into Rimble's data pipeline using Amazon Web Services to provide insightful analysis and powerful visualization tools to clients in the E-Sports industry
- Worked independently to ensure the seamless flow of data ingestion and demonstrate proficiency in back-end engineering

Back-End Software Engineer Intern | Delphi Engineering Group   Dec 2021-Jan 2022

Configure commercial radar systems   Lua | VHDL | C | Java

- Optimized scripts to interpret and transmit proper information among registers of commercial aerospace radar systems via bit manipulation
- Debugged existing VHDL(VHSIC Hardware Description Language) programs for PG4 FPGA(field programmable gate array)

PROJECTS

PLUR Mobile App | plurapp.webflow.io

Concert and event review mobile application   Javascript | React Native | AWS | Expo

- Directed a fullstack development of a ratings and reviews mobile app to allow users to post reviews, view average ratings, search by keyword, date, and/or star ratings for an artist or event
- Planned and structured database with scalability to account for future fluctuation of users
- Deployed and tested ever-changing iterations of the app using Expo and Amplify CLI
- Developed and maintained project plans, schedules, and budgets, using project management tools and methodologies

Status Checker

Be notified when the status of an item on your wishlist changes   Python | AWS

- Implemented a real-time status checker alert users of the availability of various products
- Designed features to send an email to interested users when availability changes
- Navigated AWS tools to implement a cloud-based service