JAKE MORALES

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github.com/jmora060

EDUCATION

Bachelor of Science in Computer Science   **June 2018**
   University of California Riverside   GPA: 3.71

TECHNICAL SKILLS

Programming Languages: **Python** (2 yrs), **Javascript/Node/React** (1 yr), **Java** (2 yrs), **C++** (4 yrs)
Databases: PostgreSQL, MongoDB
Frameworks/Libraries: React, Express, Django
Other: Git, Docker, AWS, Lucene

PROJECTS:

ShareQ – shareq.app
- ShareQ is a personal project to practice building SPAs. It uses the Spotify API to make shared playlists
- Built a React frontend, hosted on Netlify, that fetches data with WebSockets
- Built a Django backend, hosted on Heroku, with an asynchronous web server to support WebSockets

PostBoard – thepostboardapp.com
- PostBoard is a side project for learning the MERN stack. It is a web app for finding local garage sales
- Frontend is built on React, backend is built on Express/Node, data store is on MongoDB Atlass
- Planning to also use React Native for native mobile apps, and running backend using serverless

Airline Project using Docker Containers – Code: https://github.com/jmora060/AirlineDatabaseApp
- Containerized a Postgres database and a Java program using Docker CE and Docker-Compose
- The Java program queries the Postgres database for Airline data
- Wrote a detailed README.md for installing and running the containers

RELEVANT COURSEWORK

Information Retrieval
- Studied indexing for rapid queries, ranking algorithms, Map-Reduce and search engines
- Built a search engine of 5 GB of crawled web pages in Java, SpringBoot, and Lucene

Databases
- Studied relational database concepts such as Foreign Keys, Joins, B+ Index Trees, hasing, and more

Machine Learning
- Learned about various Machine Learning algorithms, techniques, and validation methods

Networks
- Studied the 7-layer network model, TCP/IP, routing/forwarding tables, algorithms and HTTP protocols

WORK EXPERIENCE

Manager   **Dec 2018 – Present**
Rolling Robots – Los Angeles, CA
- Demonstrates leadership skills by overseeing 4 employees, organizing facilities, and coordinating schedule

INTERNSHIPS

Information Technology Intern   **June 2018 – Aug 2018**
Creative Artists Agency – Los Angeles, CA
- Worked with the Infrastructure Operations team to facilitate Voice/Video communication services