

JAKE MORALES

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EDUCATION

Bachelor of Science in Computer Science
University of California Riverside

June 2018
GPA: 3.71

TECHNICAL SKILLS

Programming Languages:

- Python 2/3 – 1 year
- Java – 2 years
- C++ – 4 years
- Javascript – 1 year

Databases: PostgreSQL, Redis

Frameworks/Libraries: Django, React, Spring Boot

Other: Git, AWS, Docker, Heroku, Netlify

PROJECTS:

ShareQ – <https://shareq.app>

- ShareQ is a personal project to help me learn how to make a web app
- Built a React frontend, hosted on Netlify, that fetches data with WebSockets and Ajax requests
- Built a Django backend, hosted on Heroku, with an asynchronous web server to support WebSockets

Search Engine Website – <http://search-edu.online>

- Built a Search Engine with a team of 3 that has a Spring Boot backend and an Angular 2 frontend
- Integrated Lucene into the Spring Boot backend to run queries on an index of webpages
- Hosting frontend on AWS S3, and running the backend on an EC2 Ubuntu 16.04 server

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

Databases

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

Networks

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

Machine Learning

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

Information Retrieval

- Studied indexing for rapid queries, ranking algorithms, Map-Reduce and search engines

WORK EXPERIENCE

Manager

Dec 2018 – Present

Rolling Robots – Los Angeles, CA

- Demonstrates leadership skills by scheduling 4 employees, organizing facilities, and coordinating curriculum

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