Griffin Johnson

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OBJECTIVE

Passionate Software Engineer with 4+ years programming experience driven to acquire a full-time position as a Software Engineer.

EDUCATION

Bachelor of Science, Computer Science — Graduated Winter 2020
California Polytechnic State University, San Luis Obispo, CA

COMPUTER SKILLS

Languages & Frameworks: Java, C, C++, Kotlin, Swift, Python, ML, React, MIPS, JavaScript
Major Courses: Data Structures, Intro to Databases, Algorithm Analysis, Mobile Application Development, Computer Architecture, Advanced Rendering Techniques, Systems Programming, OS, Knowledge and Discovery from Data, Programming Languages

PROJECTS

Sensor Triggers Android App w/ Web App - Kotlin, React — Spring 2019
- Gathers contextual user information such as heart rate, location and weather from the user's device and Garmin smart watch.
- User information is synced with a cloud database solution (Firestore).
- User data is displayed on an authenticated web app with location and heart rate overlayed on a map view.

Ray Tracer - C++ — Spring 2018
- Able to parse and read in geometrically defined objects. The objects are then ray traced and a corresponding image is outputted.
- Implemented a soft shadows feature using area lights with adjustable sample size and light radius.

Airport Model System - Java, mySQL — Winter 2018
- Full GUI desktop software consisting of a Customer and Employee software management system needed for an airport.
- Implemented Purchase, Book, and Login modules.

Photo Gallery iOS App - Swift — Summer 2017
- Able to view device photos in a grid view.
- Used the iOS Core Image Framework to facilitate image manipulation filters such as exposure, contrast and sharpening.

EMPLOYMENT

Frontend Web Developer — Fall 2017 - Spring 2020
SkinnyKitchen.com, San Luis Obispo, CA
- Manage and maintain website.
- Accumulates 5,000+ page views/day.

CSC 436 Teaching Assistant - Android, iOS — Fall 2017 - Spring 2019
California Polytechnic State University, San Luis Obispo, CA
- Mobile Application Development Course in both Android and iOS.
- Assisted students with lab assignments and assignment help.