Bert Davies

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Objective

An opportunity to utilize the expertise that I have gained over my previous development experiences and coursework to obtain a software development internship position.

Experience/Projects

- Social Networking Web Application
  - Prototype social media app with posts, users, likes, and dislikes
  - Features user login and registration with email
  - Backend written in Python with Py4web and frontend with JavaScript and HTML
  - SQLite used to manage users and posts in the database
- Autonomous programming lead for First Robotics Competition
  - Managed a group of 4 people and made sure development fit team standards and was on schedule - team qualified for the World Championship in 2017 and 2018
  - Wrote control loops using sensor input for autonomous robot procedures in Java
  - Wrote Python scripts with the OpenCV library to read camera input, detect specific shapes and contours, and return positional data to the robot

Selected Coursework

- Comparative Programming Languages (Python)
- Analysis of Algorithms and Abstract Data Types (C)
- Data Structures (C/Java)
- Machine Learning (Python)
- Principles of Computer Systems Design/Operating Systems

Skills

- Proficient in Java, Javascript, C, C++, HTML, and Python
- Operating systems: Windows, Linux/Unix environments
- Source control - Git/GitHub
- JUnit, Eclipse IDE, vsCode, gdb, and VIM

Education

University of California Santa Cruz

Pursuing a Bachelor of Science in Computer Science, GPA: 3.63   2018-Present

   Dean's List 2019 Spring Quarter

Palo Alto High School

Diploma, GPA: 3.81   June 2018