Albert Balbon

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EDUCATION

California State University, Fullerton Expected May 2020
Bachelor of Science, Computer Science
Cumulative GPA: 3.27

Saddleback College Graduated December 2017
Associates of Science, Computer Science Dean's List 2014-2017
Cumulative GPA: 3.43

RELATED COURSES

Mobile Dev Programming | Operating Systems Concepts | Algorithm Engineering
Web Front-End Engineering | Data Science and Big Data Analysis | Software Engineering

WORK EXPERIENCE

Starbucks, Barista/Shift Supervisor Aliso Viejo, CA
August 2016 - Present

- Acting Manager at a high volume store to ensure positive customer service
- Daily cash handling and inventory counts

TECHNICAL SKILLS

- **Languages**: C++, Python, some experience with Java, HTML, CSS, JavaScript, React.js, Assembly, Machine Language, mySQL
- **Technologies**: Qt Creator, Github, VS Code, ROS, Linux, DB browser

PROJECTS

Optimism

- Full stack web application that visualizes certain aspects of life based on moods and factors input by the user. Developed using HTML, CSS, Javascript, React.js for the front-end and Flask and mongoDB in the back-end
- The goal in creating Optimism is to create a visual guide for individuals to track and improve their moods throughout the day in order to make positive changes in their lives on a daily basis.

College Tour Planner

- Using C++ and Qt creator to develop a College Tour planner using Dijkstra's Algorithm. SQLite was implemented to store various different information about each college.
- College Tour Planner was created as an application for graduating high school students to have the most efficient way of visiting colleges they plan to attend.

EXTRA CURRICULAR

Titan Rover September 2019 - Present

- Collaboration between CSUF students from different STEM majors to design, create, develop a fully functional Mars Exploration Rover to be entered into the University Rover Challenge
- Main responsibility for programming embedded system devices such as GNSS modules to aid in autonomous driving, ultrasonic sensors to provide a fail safe when the rover approaches a cliff, and the ZED stereo camera to identify AR codes and complete challenges and objectives set up by the University Rover Challenge