

STEPHEN LANDAAS

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EDUCATION

California State University, Fullerton

Fullerton, CA

Bachelor of Science, Computer Science

Graduated Summa Cum Laude (4.0 GPA)

TECHNICAL SKILLS

Languages: C++, C, Java, Python, Bash, HTML5, CSS3, JavaScript, React, SQL, AIDL

Developer Tools: Linux (Ubuntu), Git, Gerrit, Jira, Trello, Confluence, Android Studio

WORK EXPERIENCE

Garmin | Software Engineer 1

May 2022 – Present

- Contributed to the development of Rear Seat Entertainment (RSE) testing software for BMW's 2023 i7 vehicles in the Automotive OEM division, applying Agile methodology and optimizing Android applications using Java and AIDL.
 - Created a Python and Bash testing suite for unit tests on RSE components, covering touchscreen capabilities, board-to-board communication, and factory reset functionality.
 - Collaborated on a graphical user interface for running specific tests and automating regression testing, enhancing efficiency in software testing processes.
- Spearheaded the development of data simulation software using Python, Google Places API, and OpenRouteService to provide training data for a machine learning model predicting drivers' destinations based on various factors.
 - Implemented the generation of artificial schedules, real-life points of interest, and GPX data to enrich the training data, ensuring robust and diverse inputs for the predictive engine.
 - Provided support for occupant monitoring in the project, incorporating occupant data into the data simulation software and integrating it into the training and serving flow of the machine learning model within a containerized structure on the cloud.
- Contributed to the development and maintenance of a web application in React and Java Spring Boot for Garmin Connect services outage tracking. Collaborated on a counterpart tool, a Slack bot facilitating incident reporting and response within the Garmin workspace.

California State University, Fullerton | Undergraduate Teaching Assistant

January 2022 – May 2023

- Regularly graded student assignments while providing supplementary support to Dr. Shawn Wang in his File Structures and Databases course for the Spring 2022 semester.
- Evaluated student performance in designing database schemas through ER Diagrams and Relational Models, while also evaluating the quality of student-generated SQL queries.

Saddleback College | Mathematics Tutor

January 2019 – January 2021

- Assisted students in a wide array of mathematics subjects, from Intermediate Algebra to Calculus II.
- Served as an SI tutor for several Calculus I and Calculus II courses in addition to general tutoring.
- Regularly interacted with students to understand their strengths and weaknesses in a breadth of mathematical topics, and collaborated with them to improve their skills and adequately prepare.