

# CHARLIE ROBISON

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## OBJECTIVE

An innovative Computer Scientist with entry-level experience specializing in building and testing the backend and frontend of Web, Mobile, and Desktop applications. Proficient at developing, deploying, and maintaining software which aligns with business goals and design principles while utilizing appropriate project management methodologies for quick development iteration.

## EDUCATION

Bachelor of Science

May 2024

*University of Hawaii at Manoa*

- Major: Computer Science

## SKILLS & ABILITIES

Python

React JS

Object-Oriented Programming

JavaScript

Web Development

Agile Project Management

Java

Backend Development

Docker

C/C++

Frontend Development

Deployment

SQL

Database Design/Management

MongoDB

Django

Git Version Control

## EXPERIENCE

**Karamperidou Research Group** | <https://www.christinakaramperidou.com/>

December 2022 - Present

Junior Web Application Developer | Honolulu, HI

Relevant Skills: JavaScript, Python, React JS, Django, PostgreSQL, Docker, Jetstream2 Virtual Machine, Git

- Designed and developed the frontend and backend of several interactive web applications which utilized machine learning models created by the research group.
- Created fully functional REST APIs using Django Rest Framework to allow HTTP requests send data parameters to the backend which run the ML models and send an HTTP response back containing output data or visualizations.
- Designed and built a database using PostgreSQL which integrates with the rest API and stores visitor uploads containing a visitor id which is held by a cookie to hold user sessions as well as a file uploads.

**Business Solutions Technology** | <https://bstusa.com/>

February 2024 - Present

Junior Web Application Developer Internship | Honolulu, HI

Relevant Skills: JavaScript/jQuery, PHP, MySQL, PHP Slim Microframework, HTML, Bootstrap CSS

- Responsible for implementing the frontend, backend, and database of a new License Management System for the Hawaii Teacher Standards Board.
- Utilized the Agile/Waterfall project management methodology to ensure efficient development with the Business Solutions Technology Team.

**Hawaii Digital Health Lab** | <https://hawaiidigitalhealthlab.com/>

May 2023 – August 2023

Web and Game Application Developer Internship | Honolulu, HI

Relevant Skills: JavaScript, React JS, Meteor JS, MongoDB Atlas, AWS EC2, Bootstrap CSS, Git

- In charge of designing and developing a fully functional message and notification system for the Social Plai website which allows users to hold multiple conversations with each other.
- Deployed the Social Plai website on AWS, using an EC2 instance with MongoDB Atlas as the cloud database.
- Built a two-player video game on the Social Plai website which diagnoses users with visual motor developmental delays.

**Hawaii Department of Education Bill Tracker Course Project** | <https://hi-doe-tracker.github.io/>

August 2022 –  
December 2022

Relevant Skills: JavaScript, React JS, Meteor JS, MongoDB, Bootstrap, Html, CSS, *Agile Project Management*, *Git*

- Built an application for the Hawaii department pf education in a ten-person team which tracks their bills, creates testimonies, and sends hearing notices related to education in Hawaii.
- In charge of designing and developing the testimony management system and the bill management system.