

Education

California Polytechnic State University
Bachelor of Science Degree in Computer Science

San Luis Obispo, CA
June 2024

Experience

Software Engineering Intern Ricoh USA June 2023 - September 2023

- Deployed 8 Python-based Lambda functions on AWS Lambda as part of the Microservices team
- Ensured quality through leveraging Postman for API testing and comparing test results across NoSQL servers
- Followed the instructions and expectations for each Lambda function as specified on Azure DevOps

Software Engineering Intern ListIt April 2023 - June 2023

- Collaborated with a team of 5 classmates to deliver an intuitive todo list web app within 3 sprints
- Achieved 100% test coverage across 57 JavaScript functions using JEST in a Full Stack project
- Implemented continuous integration, ESLint, and Prettier for code consistency and reduced merge errors

Software Engineer Intern Tribot March 2020 - August 2022

- Utilized Tribot Java Script SDK to automate character progression and resource collection on 200 activities and 70 quests in an MMORPG game
- Released 4 free software automation products to attract 250 users for private custom automation projects
- Collaborated with customers to develop 5 successful custom projects, continually improving processes by incorporating new ideas and solving previously unaccounted problems
- Devoted 3000 hours to rewriting code on free products to improve resource efficiency and organization, while continuously exploring new tools such as React, MongoDB, and OpenAI

Programming Projects

PantryCraft | JavaScript | HTML/CSS | Python | SQL

- Created a Full Stack food recipe generation website that creates recipes based on user-input ingredients
- Incorporated 3 machine learning tools: OpenAI to dynamically generate recipes and Computer Vision with Optical Character Recognition for simplified ingredient inputs through receipt scanning
- Leveraged 3 key components: React for a dynamic frontend, Express for a robust backend, and MongoDB for storing generated recipes and user ingredient inputs in JSON format

Cryptocurrency Trading Bot | Java

- Developed an application to profit through trading cryptocurrencies through identifying market trends
- Applied 6 technical trading indicators, moving averages, Bollinger bands, RSI, MACD, Fibonacci retracement, and Stochastic oscillator to determine trade decisions
- Stored and utilized 5 years of past data on trade volumes and prices using Binance API and Gson API

Hotel Reservation System | SQL | Java

- Built an application to manage the SQL database of a hotel reservation system containing sample data of 10,000 reservations
- Generated 5 personalized reservation options based on preferred room type and desired dates of stay
- Incorporated error handling to ensure accurate reservations by validating date ranges and room availability

Skills

Programming Languages: Java, Python, JavaScript, SQL, C++, C, Scala, HTML/CSS, Assembly, C#

Software Tools: Git, Linux, MongoDB, JSON, OpenAI, Computer Vision, Spark, REST API, React, Express