

## 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

## Projects

**PantryCraft, Senior Project** (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, Personal Project** (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, Databases Final Project** (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