

MICHAEL MURRAY

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EDUCATION

California Polytechnic State University, San Luis Obispo

Bachelor of Science in Computer Science, Minor in Philosophy

September 2020 - March 2025

Presidential Honor List: 2020-2024

GPA: 3.84

Relevant Coursework: Operating Systems, Systems Programming, Compiler Construction, Deep Learning, Knowledge Discovery from Data, Theory of Computation, Design & Analysis of Algorithms, Intro to Privacy, Intro to Software Engineering, Intro to Database Systems, Project-Based Object-Oriented Programming and Design

PROJECTS

Interactive Chat Bot (Deep Learning)

Nov 2024 – Dec 2024

- Leveraged pre-trained transformer models to code a chat bot which helps with common job search related tasks
- Created an interface capable of job description analysis, cover letter generation, and sentence auto-completion

Web Application (GAEIA)

Feb 2024 – Apr 2024

- Developed a web application using the MERN tech stack to host communications and ethical dilemma work
- Created the Events page, including a calendar view, RSVPing, and event exportation

Mini Language Compiler (Compiler Construction)

Mar 2024 – Jun 2024

- Created a compiler for programs written in the “Mini” language, a subset of the C programming language
- Implemented AST translation into LLVM IR and three different code optimizations

Open Recipes - Mobile App (Intro to Software Engineering)

Nov 2023 – Dec 2023

- Developed a mobile app for personalized recipes while adhering to Agile programming practices
- Implemented a “create new recipe” form which accepted recipe details and stored them in a MongoDB database

WORK EXPERIENCE

Cashier, El Camión Food Truck (Seattle, WA)

July 2024 – September 2024

- Provided friendly and timely service in English or Spanish to an average of 100 customers daily
- Managed transactions and order fulfillment while working in a fast-paced, team-oriented environment

Web App Developer, GAEIA (San Luis Obispo, CA)

February 2024 – April 2024

- Worked on a team of 5 software developers in an Agile environment to complete our work by the deadline

Sourcing Intern, Atlas Copco Mafi-Trench Company (Santa Maria, CA)

June 2023 – September 2023

- Created a Power BI dashboard to be used by the Sourcing Department during negotiations with vendors

Research Assistant, Cal Poly EIM Department (San Luis Obispo, CA)

February 2023 – April 2023

- Collected eye-tracking and ECG data for over 25 study participants while watching tourism videos

Dough Commissary Team Member, Zeek's Pizza (Seattle, WA)

June 2022 – September 2022

SKILLS

Programming Languages: Python, Java, C, JavaScript, SQL, HTML, CSS

Software Tools / Libraries: Git, React, React Native, Node, Express, MongoDB, Expo Go, PyTorch

CAMPUS INVOLVEMENT

Tau Beta Pi Engineering Honor Society

January 2022 – Present

Camp Polyhacks Hackathon

January 2023

WOW Orientation Leader, Cal Poly NSTP

April 2021 – September 2021