

# Jonathan DeBarro

---

Laguna Hills, CA | 949-525-2175 | [jmdebarro@gmail.com](mailto:jmdebarro@gmail.com) | [www.linkedin.com/in/jonathanmd](http://www.linkedin.com/in/jonathanmd)

## Education

### CALIFORNIA POLYTECHNIC STATE UNIVERSITY - SAN LUIS OBISPO

GPA 3.92 | Sept 2020 – June 2025

- Computer Science – BS
- Studied Materials Engineering until midway Sophomore year

## Work Experience

### IT PROGRAMMER ANALYST INTERN | E&J GALLO WINERY | JUNE 2023 – AUG 2023

- Assisted team with brainstorming and development of CI/CD pipeline automating IICS taskflow production
- Worked with AWS Lambda, Gitlab, Python, Aurora

### CREW MEMBER | TRADER JOE'S | AUG 2018 – SEP 2021

- Ran register, trained new employees, helped customers with any issues raised, collected carts, kept store clean and sterile during COVID, closed sections individually, awarded a bonus for work ethic

## Projects

### HUFFMAN ENCODING (PYTHON) | MARCH 2022

Program took file inputs and correlated each character to new binary representation to minimize space in memory.

Utilized BSTs, priority heaps, stacks, and built in data structures.

### CODEBASE REFACTORING PROJECT (JAVA) | APRIL - JUNE 2023

Refactored extensive codebase over the course of the quarter, removing duplication, producing readable and functional classes, ultimately adding personal features

Codebase was an animated game, implemented our own A\* pathing algorithm

## Skills and Relevant Coursework

### SKILLS

- |          |        |                        |
|----------|--------|------------------------|
| • Python | • SQL  | • Microsoft Word/Excel |
| • Git    | • Java | • C                    |

### TECHNICAL COURSEWORK

CSC 101 | CS50P | CSC 202 | CSC 203 | CSC 225

- Knowledge of advanced data structures and algorithms
- Basic understanding of software development process, construction and testing
- Experience in object-oriented design and refactoring