

Xavier Angeles-Cruz

Pinole, CA 94564 | (510) 837-5125 | xav.al.cruz@gmail.com

LinkedIn: www.linkedin.com/in/xavier-angeles-cruz | GitHub Link: <https://github.com/XAVIERALBERT>

EDUCATION

University of California, San Diego

San Diego, CA

B.S. Mathematics-Computer Science

June 2025

Relevant Coursework: Data Structures: arrays, lists, dictionaries, linked lists, stacks, queues, priority queues, binary trees, hash tables; Algorithms; Object-Oriented Programming; Assembly Programming; Valgrind and Testing/Debugging; Basic Processor Performance and Design; Memory Management

RELEVANT PROJECT EXPERIENCES

Academic Projects

- **License Plate Database Project (C)** *October 2022*
Developed a license plate database in C. Utilizes hash tables for fast searching, insertion, and deletion of tickets that are read from a file. Utilizes structures to organize data such as license plates, ticket IDs, ticket amounts, etcetera.
- **Maze Solver Project (Java)** *April 2022*
Developed an algorithm to solve mazes in Java. Utilizes a stack data structure and a queue data structure to iterate through nested arrays and return a solution to the maze. Implemented maze test cases, where each maze has a start point, finish point, and walls.

Personal Projects

- **RSA Encryption and Decryption Project (C++)** *July 2025*
Developing an algorithm to perform RSA encryption and decryption in C++. Implementing RSA concepts from a mathematical cryptography course as a personal project. Leveraging C++ code to help implement mathematical concepts, such as: Extended Euclidean Algorithm, inverse mods, and modular arithmetic.

SKILLS

- Languages and Tools: C++, C, Java, Python, Git/GitHub
- Software Skills: MS: Teams, Word; Google: Meet, Slides, Drive, Sheets, Docs, Zoom
- Collaboration Skills: Adaptability, Communication, Collaboration, Time Management. Problem-Solving
- Spoken Languages: English (native), Tagalog (conversational)

OTHER WORK EXPERIENCE

Ecommerce Clerk

San Diego, CA

Ralphs Fresh Fare

August 2023 - September 2025

- Responsible for order fulfillment for online grocery orders, customer service, and maintaining department standards in a high paced environment.
- Ensuring excellent customer service by addressing customer needs regarding product quality and delivering orders carside in a timely and efficient manner.
- Guiding the team to achieve department goals, such as less than 3 minute customer wait times and all ensuring customers' orders having at least 98% of their items in their orders.

LEADERSHIP AND INITIATIVES

"FOOD FOR THOUGHT" Community Initiative

San Diego, CA

University of California, San Diego

January 2024 - March 2024

- Founded an initiative that raised awareness surrounding the issues of food insecurity amongst UCSD students.
- Established an Instagram page to spread awareness about food insecurity amongst college students and what resources UCSD students can take advantage of.
- Collaborated with the Triton Food Pantry to organize an event to give out free food and flyers that promoted the benefits available to UCSD students provided by the Triton Food Pantry and Basic Needs Center.