

# Ala Alawdi

Computer Science Student

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Portfolio: https:

<https://asskdh.github.io/my-portfolio/>

Driven computer science student seeking an internship opportunity in software engineering, data science, web development, cloud computing, or any related area. Passionate about building scalable technology, solving real-world problems, and contributing to fast-paced development teams with strong academic and project experience.

## Education

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University of California, Santa Cruz — Santa Cruz, CA

Bachelor of Science in Computer Science (Expected Graduation: 2027)

Chabot College, Haward, CA

Associate in Mathematics

Merritt College, College of Alameda, Chaffey College, and Cypress College — California  
Completed general education courses

**Overall GPA: 3.5**

## *Technical Skill*

### **Programming Languages:**

- C++
- Python
- HTML, CSS
- Assembly (MIPS, x86)
- Javascript(basic)

### **Tools & Technologies:**

- **Git & GitHub Workflow** (cloning, pulling, committing, pushing)
- **Visual Studio Code**
- **Jupyter Notebook**
- **Basic Linux/Ubuntu Commands**

### **Concepts:**

- Object-Oriented Programming
- Data Structures
- Algorithm Design & Analysis
- Assembly Language (MIPS, X86)
- Machine Learning (using Python)

## *Projects*

### **Big Number Operations (C++):**

Built a program to handle arithmetic on large numbers (1000+ digits). Implemented custom algorithms for multiplication, division, factorial, and exponentiation with efficient memory management.

### **City Travel Route Finder (C++):**

Designed a program to find the shortest travel route between cities using Breadth-First Search (BFS). Implemented graphs, queues, and hash maps to model city connections and compute optimal paths.

### **Interrupt Handler Simulation (MIPS X86 Assembly):**

Developed an interrupt handler to simulate low-level system responses. Gained experience with registers, memory management, and instruction sets in MIPS and x86 architectures.

## *Work Experience*

### **Retail Operations Assistant**

Groceries Store, Oakland, CA | 2023

Supervised daily store operations, monitored product inventory levels, and coordinated reorders to ensure stock availability. Managed supplier relationships and handled deals with various vendors, including beverage and food companies. Assisted with staff coordination and maintained a well-organized, efficient retail environment..

## *Certifications & Awards*

*Associate Degree in Mathematics*