

# Roberto Manra

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## EDUCATION

### ***Bachelor of Science, Computer Science***

Spring 2026

California State University, Fullerton

Current G.P.A – 4.00

### ***Associate of Science, Computer Science***

June 2024

Santa Ana College

G.P.A – 3.80

## SKILLS

- **Programming Languages:** Skilled in C++, Experience with Java and R-Code, Familiar with Python
- **Productivity Tools:** Proficient with Google Workspace (Docs, Slides, Sheets), and with Microsoft Office (Word, Excel, PowerPoint) and R-Studio
- **Operating Systems:** Windows, MacOS, Linux (Mint), ChromeOS
- **Language:** Bilingual (English & Spanish)

## RELEVANT COURSEWORK

Data Structures and Algorithms  
Computer Organization

Object Oriented Programming  
Programming Concepts

Java Programming  
Discrete Structures for CS

## PROFESSIONAL EXPERIENCE

### **Esqueda Elementary School**

Santa Ana, CA

#### *IT Internship*

February 2021 – May 2023

- Provided level 2 tech support to teachers and staff and students
- Diagnosed and repaired broken Chromebooks and teacher equipment
- Prepared and administered iPads for students and staff
- Repurposed components from end of life/damaged equipment to repair in use equipment

## PROJECTS

### **Interactive Periodic Table of Elements**

**Fall 2022**

- Developed a C++ program to display and manage the Periodic Table of Elements using both class and structure-based implementations, allowing users to search elements by symbol or atomic number.
- Implemented data retrieval and modification features, including viewing element details and updating atomic properties, leveraging file I/O operations with binary files.
- Designed a user-friendly console menu interface to enable easy interaction with the periodic table, supporting dynamic updates and error handling for invalid inputs.

### **Calendar Application**

**Summer 2023**

- Developed a Java-based calendar application that allows users to view and schedule events through an interactive menu system, utilizing object-oriented programming principles.
- Implemented file I/O operations to load and save calendar data, ensuring data persistence and enabling seamless user interaction.
- Designed and utilized custom classes (Calendar, Day) to manage date-related operations, streamlining the manipulation and storage of calendar data.