

Aimi Ross

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EDUCATION

California State University - Long Beach

August 2019 - May 2021

Bachelor of Science: Computer Science

GPA: 3.8

Courses: Data Structures and Algorithms, Database Fundamentals, Object Oriented Application Development

SKILLS

Language : Java, C++, SQL, Python, C#, HTML, CSS, JavaScript

Technology: GitHub, Visual Studio, Eclipse, Firebase, PyCharm, NetBeans, MySQL

Leadership:

University - Peer Mentor at Women in Computing (Present)

High school - Class president for 3 years, Secretary for the student council, Captain of a track and field club

PROJECTS

Database for a Restaurant in SQL, collaborated with 4 other people

May 2020

- Designed UML and implemented a restaurant **database** such as items, recipes, employees, and orders.
- Motivated the team during the development by guiding the implementations and staying positive.
- Applied **Denormalization** to make search procedures efficient while maintaining most of the data in normalization.

Hotel Room Booking application in Java

October 2019

- Used **Object Oriented Programming** to build a room booking system using the **Observer Design Pattern**.
- Implemented Interface to create multiple objects(room type).
- Streamlined code using **dynamic polymorphism**.
- Deployed queue to automatically display the first customer in a waiting list once a room becomes available.

Calendar Calculator application in C++

September 2019

- Built a Calendar Calculator application using OOP.
- Succeed calculation of dates by **overloading operators**.
- Utilized pointers to **dynamically allocate** the memory of objects.

Portfolio web page in CSS and HTML

August 2020

- A self-taught web page built from scratch to maintain my information in 1 place.
- Increased LinkedIn and Instagram connections 300 percent.
- Improvement of updating information process by 250 percent.

Register application in Java, collaborated with 4 other people

December 2019

- Designed and developed a food register application using OOP.
- Utilized a **factory design pattern** to facilitate the easy creation of new items for the shop.
- Developed a coupon class for additional benefits to both employees and customers.