

# Amanda Chan

Daly City, CA | 650-273-2325 | amandachan273@gmail.com | www.linkedin.com/in/amanda-chan-b07857282

## EDUCATION

### Santa Clara University

*Bachelor of Science, Computer Science*

**Santa Clara, CA**

*June 2023*

### Skyline College

*Associate in Science for Transfer in Mathematics-- Magna Cum Laude, 3.75*

**San Bruno, CA**

*December 2020*

- Dean's List -- Fall 2018- Summer 2019, Spring 2020-Spring 2021

## RELEVANT COURSEWORK

- Object Oriented Programming: C++
- Python Programming
- Object Oriented Programming: Java
- Data Structures
- Algorithms
- Data Science and Data Mining
- Operating Systems
- Web Usability

## SKILLS & INTERESTS

**Skills:** C++, Python (NumPy, pandas, Matplotlib, seaborn), Java, HTML, CSS, Django, Data Structures, Data Visualization, Figma, Problem Solving, Excel

**Interests:** Data Science, Machine Learning, Artificial Intelligence, Web Development

## PROJECTS

### Movie Recommendation

**2023**

- Design and develop user-based collaborative algorithms to recommend movies with Cosine similarity and Pearson Correlation method
- Use Python to train and test datasets using the different algorithm

### Movie Revenue Prediction

**2022**

- Utilize seaborn, matplotlib, and sklearn to perform regression in order to build, visualize, and analyze a predictive model of the relationship between movie budget and movie revenue

### Subreddit Scrape

**2023**

- Scrape Starbucks subreddit using PRAW and pandas to analyze trends from top posts and keywords

### Query Retrieval

**2023**

- Use Linux to build indexes for corpus and implement different types of information retrieval algorithms in C++
- Analyze the performance of different retrieval algorithms to see whether or not different types of stemmers or stopwords affected their performance

### To Do List App

**2022**

- Apply django to build a to do list app that allows users to update a to do list

## LEADERSHIP EXPERIENCE

### Buchser Middle School

*General Education, Group Leader*

**Santa Clara, CA**

*September 2022 - December 2022*

- Community immersion program to help students develop english, math, and art skills as well as build a stronger bond with the local community
- Work with teachers to discuss each student's needs and develop plans according to each student's goals
- Help students one-on-one with homework and supporting materials
- Strengthened leadership skills when working in group settings to create an interactive and effective learning environment
- Collaborate with other student leaders to review necessary improvements