

Aneesh Saba

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Objective: To obtain an internship in a collaborative environment using my relevant experience, technical expertise, and problem-solving skills to contribute to new or ongoing feature as part of a larger environment.

Skills: C++, Java, Python, Object Oriented Programming, Complexity Analysis, Data Structures, Algorithms

Education:

University of California, Merced

Fall 2021 – Present

GPA: Not Started, First Semester

Major: Computer Science and Engineering

Relevant Coursework:

Advanced Programming (Currently Enrolled)

Data Structures (Spring 2022)

Expected Graduation Date: 2024

Ohlone College, Fremont CA

Fall 2020 – Spring 2021

GPA: 4.0

Relevant Coursework:

Introduction to Programming in C++ (A – 99.8%)

Discrete Structures (A – 93.0%)

Mission San Jose High School, Fremont CA

Fall 2017 – June 2021

AP Computer Science A (May 2020): Score of 4

Projects:

Monopoly (March 2020 - June 2020):

Monopoly is a multi-player economics-themed board game where one player bankrupts the other by owning properties.

- Coded in Java using Sublime Text Editor, using multiple classes with inheritance
- Implemented user input from the terminal to roll a dice or take certain actions: mortgage, trade
- Integrated most of the special spaces: Jail, Community, Luxury Tax, Chance, Free Parking, GO
- Included most of the actions: Triple rolls, Jail, Hotel rules, Mortgage, Trading, Rent
- Incorporated java interfaces and displays the board after every turn with an interactive user interface

Checkers (November 2019 - January 2020):

English Draughts Checkers is an 8 x 8 two-player strategy board game which involves diagonal moves of game pieces

- Coded in Java using Sublime Text Editor, including mandatory captures by jumping over opponent pieces
- Utilized the terminal to display board and positions of pieces with user input moving those pieces
- Used recursion to find the possible moves and inheritance with multiple classes
- Included standard rules: invalid move rule, allowing multiple kills, when king reaches other side
- Used multiple classes with certain classes used for methods

Snake (October 2020 - January 2021):

The player controls a "snake" traveling in a bordered plane, picking up food while trying to avoid hitting its own tail.

- Developed with three other team members in C++ using SFML graphics to create a GUI
- Constructed with 3 different difficulties: Easy, Medium, and Hard
- Opened the Snake game in a separate, interactable window, recording the score at the top
- Included standard rules: can't hit border, hitting yourself kills, hitting apples increases size

Activities:

Member, **SEA Solar Energy Association** (September 2021 - Present)

SEA has educational workshops, technical outreach, and partners with other organizations like CalTeach and ENGRSL.

- Taught Python to others and showing them how to operate drones using Telo
- Planning to hack a solar array that raises awareness to cybersecurity in the solar sector
- Helped in programming the website for the club

Member, **ACM Association for Computer Machinery** (September 2021 - Present)

ACM is the center of all the Computer Related Clubs.

- Planning to attend HackMerced (Hack-a-thon)
- Part of the Software Engineering interest group

Leadership:

Eagle Scout, **BSA Boy Scouts of America** (September 2010 - September 2020)

Eagle Scout is the highest rank in the Boy Scouts of America, where young kids learn life skills and leadership qualities.

- Lead an Eagle Scout project, requiring leading six scouts, event coordination, and writing documentation
- Took a leadership position as a Den Chief three times, teaching large groups of Cub Scouts skills like tying rope

Gold Presidential Award, **USA United States of America** (June 2018)

The Gold Presidential Award is given for completing 100 hours of volunteering service.

- Counselor in Training was my position in activity-specific camps for youth hosted by the City of Fremont
- Lead similar tasks at my local nonprofit afterschool called Olive Children, and volunteered at my local temple

Languages:

English : Native

French : Novice

Hindi : Intermediate (Spoken)