

Harman Singh

Computer Science and Engineering student at UC Merced
Interested in Software Architecture and Game Design

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EXPERIENCE

Midjiwan Community, Online

2020 - 2021

Volunteered for the Midjiwan Community manager to adapt their game Polytopia to Minecraft using Java

Researched and implemented Java scripts to speed up creation of the server

Other

- First place in Bottle Rocket event and third place in Hovercraft in Northern California [Science Olympiad](#); Also participated in Ecology and Rocks and Minerals events over a few years
- Participated in [First Lego League](#) a Competition to create robot to complete tasks using Lego bricks, sensors and controllers
- Practicing Leet Code along with creating my own projects
- Created and implemented mods on Helldivers 2, Balatro etc. by modifying render files and creating assets like pixel-art.

EDUCATION

Evergreen Valley High School, San Jose

August 2018 - June 2022

- Computer Science Pathway Student, a program that connects multiple subjects to Computer Science
- AP Computer Science (3), AP Physics (4) and Calculus AB (5)

University of California, Merced *Computer Science and Engineering Undergraduate*

August 2022 - Expected June 2027

UC Merced: Fall 2022 - Present

- Various projects in C++ like Paint app,
- [Full Stack Web development](#), created deployed a website
- Data and Statistical Analysis using [Matlab and Jupiter](#)
- [Data Structures and MIPS](#) Assembly Language using MARS
- Lab work experience and safely using instruments like multimeters, oscilloscopes and power supplies
- Experience using [sensors and data acquisition](#) to record and analyze data
- I learned to create scripts using [Python and C++](#).

Evergreen Valley College: Summer - Fall 2024

- Differential Equations, Linear Algebra and Vector Calculus
- Learned [Kotlin](#) and creating simple mobile apps

SKILLS

Java, Python, HTML, C+, Kotlin

Flask, React

MIPS Assembly, Matlab

Research, Lab Safety

Excel, Powerpoint

Video Editing, Photoshop

Blender 3D modeling

AWARDS

AP Scholar - For excelling in AP courses, Evergreen Valley High School

LANGUAGES

English - First Language

French - 6 Years, 3 in High School

Punjabi - Second Language