

# Usman Tahir

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## EDUCATION

### California Polytechnic State University

Bachelor's of Science in Computer Science

San Luis Obispo, CA

Expected Graduation: June 2027

### El Camino College

GPA: 3.87

Torrance, CA

AS-T Mathematics, AS-T Physics, Certificate of Achievement Computer Science

August 2022 - June 2025

## TECHNICAL SKILLS

**Programming languages:** C++, Python, Java, JavaScript, HTML, CSS, React, TypeScript

- Github
- PostgreSQL
- MySQL
- Debugging
- Arduino

## TECHNICAL EXPERIENCE

### Codeday

Remote

#### SWE Intern - CTI / CodeDay (python)

June 2024 - August 2024

- Created a project that classifies images using **machine learning** and **principal component analysis** given training & testing images ([Github Repository](#))
- Learned **NumPy** for linear algebra functions and **PIL** to import and manipulate images in 2 weeks, and created a [system diagram](#)

### Google

Remote

#### Open Source Contributor CTI / Codeday Micro-Internship ([Pull Request](#))

September 2023 - October 2023

- Contributed to Google's official discovery-based python client **API** library, a project that has **170k+** users
- Collaborated with two fellow students from different universities and an industry-experienced mentor to design and develop **Python** unit tests using **Nox** in a collaborative, team-oriented environment

## PROJECT EXPERIENCE

### WNBA Stats Tracker (python, postgresql, React, Node.js) ([Github Repo](#))

May 2025 - Current

- Web scraped player stats from WNBA website using **BeautifulSoup**
- Designed a **PostgreSQL** schema to store and query performance by game and team
- (In progress) Building a frontend to display and compare player/team data, using **React** and **Node.js**

### Iceman Game (C++) ([Github Repo](#))

Fall 2023

- Built a 2D game in **OpenGL** with player movement, item collection, and NPC AI behavior.
- Applied **OOP** principles to design modular game systems
- Wrote rendering, collision, and input logic in StudentWorld and Actor classes

## CLUBS/PROGRAMS

### California Polytechnic State University - CS-AI, Hack4Impact, Blockchain

September 2025 - Present

### CTI (Computing Talent Initiative) Accelerate

June 2023 - September 2024

- Solved data structures & algorithms problems with other students & assisted with problems
- Contributed to Open Source Projects in teams with other students