

Tyler Kim

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EDUCATION

Cal Poly San Luis Obispo | San Luis Obispo, CA

Expected Grad - 2029

B.S. Computer Science

Cleveland High School | Reseda, CA

June 2025

4.43 GPA - Rank 8/318

TECHNICAL SKILLS

Languages: C++, C#, JavaScript, Lua, Python

Technologies/Tools: Visual Studio Code, Visual Studio, Figma, IDE, MatLab

EXPERIENCE

UCI x GATI | Irvine, California

June 2024 - Aug. 2024

Research Intern

- Designed and programmed an Arduino/MATLAB-based sensor prototype to detect neck movements for SCI patients through **20+** hours of research hardware integration and algorithm development
- Led a team of 7 to design a pediatric vaccine concealer securing **1st** place and **\$2,000** in funding, with potential patent-integration support

Garden Learning Center | Chatsworth, California

Sep. 2022 - Dec. 2024

Lead CS Tutor

- Developed and taught a **6-week** course introducing programming logic, foundational coding, and game design to aspiring computer science students.
- Trained **multiple** tutors in order to create individualized growth plans for each student, leveraging Slack to optimize communication and efficiency

CHS Var. Basketball | Reseda, California

Sep. 2021 - Mar. 2025

Shooting Guard, Injury Reserve

- Devoted an average of **19** hours a week to team practices to improve teamwork and communication, leading to a **historic** 2024 winning season
- Collaborated on initiating around **160+** workouts throughout each year with fellow teammates in order to polish skills and build community of dedicated athletes
- Overcame season-ending injury senior year by **continuing** to promote bonding and positive morale

PROJECTS

Street Detection - InspiritAI | Python

July 2023

- Utilized Darknet/YOLO framework to **optimize** image detection software by modifying a pre-existing model into a CNN
- Increased detection accuracy by **8%** in image detection accuracy by clearing overfitting and adjusting NMS & OBJ thresholds

Roblox Dev. | Lua, Blender

Jan. 2020 - Dec. 2024

- Created and programmed open-source 3D assets to ship to main page library, amassing a total of over **3000+** individual user downloads
- Independently coded and designed a multi-layered game with over **40+** unlockable assets, achieving an **88%** positive rating across **5,000+** plays