# Cody Wong

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github.com/CodyCapybara1

## Education

**Stuyvesant High School**, Manhattan, New York City                                     2022 – 2026

- **Relevant Coursework:** AP Computer Science, Computational Physics, Software Development, Computer Graphics, Calculus AB, Introduction to Computer Science, Swim Gym, LifeGuard

**Certificates**

- RedCross LifeGuard Certification with first aid and CPR

## Experience

**Daycare Volunteer**, Peace Tutoring Center – Queens, NY                      Summer 2022 – End of Summer 2022

- Co-taught young immigrant kids from ages 5 to 12 about math and English
- Brought the satisfactory experience for the kids, and raising the satisfactory level to 98%

**Research Intern**, Mount Sinai Hospital, Ables Lab – New York, NY            Sept 2023 – June 2024

- Developed a multi-camera system to measure mouse behavior using a hierarchical kinematic model & Random Forest Supervised behavior classifier
- Designed and implemented a custom 3D printed RaspberryPi Camera System that uses universal time to synchronize frame starts

**Google Mentee**, Google Mentorship Program – New York, NY                   Sept 2022 – June 2023

- Collaborated with two other Stuyvesant Students to develop an AI-powered fitness application featuring real-time action recognition and machine learning prediction
- Implemented refined Figma design as well as using CoreML XCode models using the UCF101 database for training

**Summer Intern**, SYEP at Chinese-American Planning Council – Flushing, NY     June 2023 – Aug 2023

- Developed and presented weekly business concepts to gain entrepreneurship experience and presentation skills
- Designed a business model for non-profit pest control company focused on sustainable wood utilization while eliminating infestations such as long-horn beetles

**Summer Intern**, SYEP at Flushing YMCA – Queens, NY                          07/05/2023 – 08/12/2023

- Presented slides on Asian American Shows to promote cultural diversity

## Activities & Leadership

**Branch Director**, Stuyvesant Summer Tutoring – New York, NY                  Summer 2023

- Led multiple tutoring sessions weekly, coordinating 20+ tutors to serve 40-50 students
- Elevated majority of students to above grade level performance, with most achieving passing grades through targeted instruction

**Outreach Director**, Stuyvesant High School Robotics Team – New York, NY     Sept 2022 – Present

- Coordinated robotics outreach initiatives with hundreds of middle schools across New York City and internationally, including Brazil
- Introduced and promoted STEM education and robotics programs to underserved student communities

## Awards & Honors

**USACO Silver Division** – USA Computing Olympiad

**AP Scholar** – College Board

**3rd Place, TerraFair** – Environmental Science Competition

## Skills

**Programming Languages:** Python, Java, C++

**Tools  Technologies:** Git, Deep Learning Networks, Computer Vision, Multi-Camera Systems, Microsoft Office, Google Suite

**Languages:** English (Native), Chinese (Conversational)