



TONY LIU

BAY AREA INTRAPRENEUR & SOFTWARE DEVELOPER

PERSONAL PROFILE

I am a passionate software developer and high school student at Burlingame High School (Class of 2022) who loves building applications and websites to help others and solve real-life problems. I'm also a fast-learner and love learning from YouTube in my free time about entrepreneurship, technology, and world cultures.

AREAS OF EXPERTISE

Web development using Python, HTML, CSS, Javascript
Providing Support for Educational Tech
Google Workspace and related APIs
Application shortcuts to increase efficiency

SKILLS

Transforming an idea into a concrete product
Constantly learning through the Internet
Self-driven to meet goals and targets on time
Proficient in both English and Chinese
Leading a team to accomplish a goal

INTERESTS

Tech entrepreneurship, computer science, space exploration, biotech, and world cultures

CONTACT INFO

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PERSONAL EXPERIENCE

EDTECH: DIGITAL SCHOOL COMMUNICATION SYSTEM

March 2021 - Present

- Created new interface and request system for the school daily bulletin. More interactive, accessible, and customized. Features include tags, search, and emails. Expected to be implemented school-wide in January 2022!
- Made school resources more accessible by creating an information center on Google Sites that reduces time to find a resource by an average of 35%
- Demo

COVID-19 VACCINE TRACKER WEBSITE

(WWW.PANELIXIR.COM)

June 2020 - Present

- Viewed 15,000 times by users in 54 countries since August 2020
- Featured on local newspaper and television
- From having the idea with no web developing experience (April 2020), to the initial website being deployed took less than 4 months
- Purpose: spreading positivity during the pandemic, in a time of crisis

EDUCATION

BURLINGAME HIGH SCHOOL

August 2020 - May 2022 (Expected)

Currently part of school Leadership team, as a tech commissioner. In charge of school's Instagram account and Leadership website.
Courses taken: AP Computer Science A, AP Statistics, AP Physics 1, AP US History, earned A in all classes
Cumulative GPA: 4.16

HARVARD SUMMER SCHOOL

June - August 2020

Studied Computer Science: Building Interactive Web Applications, earned A
Built an AI machine-learning algorithm for the final project: training a computer to play Super Mario
Another course: International Conflict and Cooperation, received A-
Watched Harvard CS50 courses on YouTube

DWIGHT SCHOOL

New York: February - June 2020

Shanghai: September 2019 - January 2020

Exchange student from Shanghai to New York (1/200 selected)
Courses highlights: IB DP Computer Science, IB MYP Advanced Algebra & Calculus Honors (Earned Excellence in Mathematics Award)

LEADERSHIP AND VOLUNTEERING

BUILDING SOFTWARE DEVELOPMENT TEAMS

June 2020 - Present

- Founded 2 teams for website projects (listed in personal experience), with 2-3 people each. Collaborating on design, coding, and monitoring.
- Leading the team to meet regularly through Zoom, checking on each other's progress and outlining future steps

SUPPORTING EDUCATION ON THE TIBETAN PLATEAU

December 2019 & June - July 2015

- 2019: Formed a team of 8 to visit Huzhu Tu Autonomous County in Tibet. Over a week, we presented Mathematics Modeling, the Fermi Problem, and Economics 101 at 3 local high schools (~600 students attended). - sharpened public speaking skills and how to interact with people of different cultures
- 2015: First visit to Tibet, visited 7 middle/high schools, volunteered at the district, and learned the diverse local cultures