



# TONY LIU

## TEENAGE INTRAPRENEUR & SOFTWARE DEVELOPER

### PERSONAL PROFILE

I am a passionate software developer and high school student who loves building applications and websites that are helpful for 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

Building Web Applications using Python  
Front-end development using 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  
Generating new ideas to increase productivity

### CONTACT INFO

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## PERSONAL EXPERIENCE

### BUILDING APPLICATIONS TO IMPROVE SCHOOL COMMUNICATION SYSTEM

March 2021 - Present

- Created new interface and request system for the school 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%

### BUILT COVID-19 VACCINE TRACKER WEBSITE ([WWW.PANELIXIR.COM](http://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 IN TIBET

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 (~1000 students attended per school). - 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