

TONY XIN

tonyxin@berkeley.edu | (650) 518-9339

Website: <https://tonyxin.com> | Github: <https://github.com/ttonyxx>

EDUCATION

Mountain View High School - Class of 2021

Relevant coursework: Multivariable Calculus, Physics C, Advanced Computer Science, Innovative Design Capstone
GPA: 4.62/4.0

Management & Technology Summer Institute @ UPenn

University of California Berkeley - Class of 2025

BS in Electrical Engineering and Computer Science
Relevant coursework: CS61A
GPA: 4.0/4.0

SKILLS

Technical

- Languages - Java, Python, C, C++, VueJS, ReactJS, Javascript, HTML, CSS, PHP, SQL, NodeJS, jQuery
- Other - Android Studio, XCode, Unity, Firebase, JSON

Interpersonal Skills

- Management, Teaching, Leadership

WORK EXPERIENCE

Web Developer – SASPAF, Los Angeles, CA

June 2020 - September 2020

- Vue.js - Built website for non-profit dedicated to helping single parent families in need

Founder – Mochi Squares, Los Altos, CA

December 2019 - Present

- Led friends and family to the creation of this mochi business, > 200 sales in less than two weeks

Founder, Teacher – Codet LLC, Los Altos, CA

June 2019 - June 2021

- Founded organization dedicated to helping students explore their passions in STEM through summer camps

Teacher – Leadership Academy, Santa Clara, CA

July 2018 - August 2018

- Created content on computer science subjects, taught students at the summer program

PROJECTS

AssignHub (<https://assignhub.app>)

Used vue.js, MongoDB, and redis to develop app that keeps track of crowdsourced assignments

Intellecture (<https://intellecture.app>)

A tool that facilitates real-time communication between professor and student, built using vue.js, redis, and socket.io

Codet Camp (website inactive)

A summer camp I founded aiming to introduce elementary and middle schoolers to an interesting part of computer science

Seat Charter (<http://seatcharter.epizy.com>)

Allows teachers to create seat charts for their students and record information on them, built with JS & firebase

Mochi Squares (<https://mochisquares.com>)

Website that notifies us of any order of mochi, built using HTML, JS, CSS, and Google Sheets API

Update-able Puzzle Box (<https://ttonyxx.github.io/agax>)

Worked with team of four to create an electronic puzzle box

CovidGraphs (<https://covidgraphs-b7c17.web.app>)

Displays graphs and data of coronavirus cases, deaths, built with firebase and webpack

[MIAS \(https://github.com/MVHSignition/MIAS\)](https://github.com/MVHSignition/MIAS)

Google Chrome Extension that scans an article and uses Natural Language Analysis to detect bias of the article

ACTIVITIES

[MVHacks 3.0, Technology Officer](#)

Used React.js to create officer app that manages participants and Vue.js to develop hackathon dashboard

[Science Olympiad, Co-President](#)

Competed with our nationally ranked team, organized tryouts and weekly workshops for 60+ students

[Botball, Team leader](#)

Annual robotics competition over the summer, 9th at International Competition (GCER)

[Programming Instructor](#)

Computer Science Club at Blach, CoderDojo, Codet Club, Ignition Club, etc.

[TSA Teams, Team Leader](#)

Engineering competition involving writing an essay, designing a build, and taking a test

[Math Modeling](#)

Participated in math modeling challenges (m3 challenge, MathWorks, etc.), wrote research papers

[Shin Shin](#)

Taught English in rural China and performed Chinese poem to raise money for impoverished students

[VEX IQ](#)

Volunteered as regional robotics competition judge

AWARDS

Overall Winner – DeveloperWeek Hackathon 2020

1st Place – DVHacks Hackathon 2021

1st Place – NorCal State Science Olympiad Tournament 2021

1st Place – Golden Gate Science Olympiad Invitational 2021

1st Place – California State TSA Teams Competition 2019

4th Place – Double Elimination GCER 2019

4th Place Champion – Modeling the Future Challenge

32nd – PicoCTF: CMU Online Cybersecurity Competition