

# GAVIN WONG

Computer Science and Entrepreneurship

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## SKILLS

### LANGUAGES

Java, Python, Swift,  
HTML/CSS, SQL, Javascript

### FRAMEWORKS

Tensorflow, Keras, NumPy,  
Matplotlib, Pandas, CoreML,  
Bootstrap, Swing

### TOOLS/PLATFORMS

Git/Github, Virtual Machines,  
Linux/Ubuntu, Anaconda, Spyder,  
Jupyter, Zeek, Netlify, MS SQL/SSMS

## PROJECTS



### Classroom Connections

#### On iOS App Store. 1.3K Downloads

An education app that effectively connects students and teachers during the Covid-19 and contains features like anonymous chatroom and conflict calendar



### AutoDrone Delivery

Delivery system designed for Covid-19 that involves Autonomous Drone Algorithm built with CNN-LSTM model and complimentary app, allowing online purchasing, deliveries processing by drones, real-time location status of delivery



### Race Global

#### On iOS App Store.

A fitness app that helps connect runners from around the world. Runners can enter race queues for selected distance, create custom lobbies, and see their statistics/goals



### Minesweeper 2.0

An improved version of Minesweeper built using Java and Swing, allowing for customizable game feature and unique UI



### Vision

An image classification app built using Vision V3 Model with CoreML. Takes input from camera or photos app and classifies object.

## EXPERIENCES

### FOUNDER

GeomHacks | March 2020 -- Current

<https://geomhacks.com>

- Founded online hackathon to empower all students around the world in STEM and to innovate during Covid-19
- Secured close to \$100,000 funding from over 15 sponsors (e.g Github, HyperX, Wolfram)
- 250 attendees from over 10 different countries

### FOUNDER

CoderDojo Cupertino | January 2020 -- Current

<https://cupertinocoderdojo.com>

- Founded community coding club for young people, branches from global organization, CoderDojo,
- Provide free coding videos and blogs on our website oriented towards young people
- Promote continual learning of coding/programming during Covid-19

### MOBILE DEVELOPMENT INTERN

SMount HealthTech Inc. | October 2020 -- Current

- Develop mobile health app for recording medical information and monitoring health conditions of seniors to help families
- Created for easy-use and easy-access for general public
- Worked under CEO

### SOFTWARE ENGINEER INTERN

SiliconData Security Inc. | May 2020 -- Current

- Applied Generative Adversarial Networks for network intrusion detection
- Utilized Zeek within Linux/Ubuntu VM to convert PCAP files into Zeek logs
- Wrote white paper that is published on company website
- Worked under CEO

### RESEARCH INTERN

San Jose State University | April 2020 -- August 2020

- Assisted Prof. Mark Stamp research about applying ensemble methods to modernize machine learning tools for malware classification
- Accomplished over 10 different experiments and reported metric results
- Research published within a machine learning book

## EDUCATION

### LYNBROOK HIGH SCHOOL, SAN JOSE, CA

GPA: 4.3

High School Diploma | 2017-2021

**AP Coursework:** AP Calculus BC, AP Statistics, AP Microeconomics, AP Physics C: Mech/E&M, AP Computer Science A

**Test Scores:** 34 ACT (36E, 35M, 32R, 34S), 800 SAT Math II

**Clubs:** Officer of Mobile Development, Machine Learning Member of CS, Web Design, DECA, Game Design

### MISSION COLLEGE

GPA: 4.0

Dual Enrollment | 2020-2021

**Coursework:** MAT4A (Multivariable Calculus), MAT 4B (Differential Equations), CIS55 (DBMS I), CIT012 (Intro to Networking)

### BABSON COLLEGE

GPA: 3.67

Babson Summer Study | 2020-2020

**Coursework:** EPS 1100 Introduction to Entrepreneurial Experience

### JOHNS HOPKINS UNIVERSITY

GPA: 4.0

Johns Hopkins Engineering Innovation | 2019-2019

**Coursework:** EN.500.110 What Is Engineering - Summer

### UNIVERSITY OF PENNSYLVANIA

Wharton Summer High School Programs | 2020-2020

**Coursework:** Future of the Business World