

# 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

#### Currently On IOS App Store.

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



### 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 10 sponsors (e.g Github, HyperX, Wolfram)
- 250 attendees from over 10 different countries

### FOUNDER

CoderDojo Cupertino | Jan 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

### SOFTWARE ENGINEER INTERN

SiliconData Security Inc. | May 2020 -- Current

- Applied Generative Adversarial Networks for network intrusion detection
- Utilized Zeek to convert PCAP files into Zeek logs
- Integrated Linux/Ubuntu virtual machine
- Wrote white paper that is published on company website

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

#### College Coursework:

MAT 4A (Multivariable Calculus),  
CIS 55 (Database Management Systems I)

#### 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

### JOHNS HOPKINS UNIVERSITY

Grade: A

Johns Hopkins Engineering Innovation | 2019-2019

#### Coursework:

EN.500.110 What Is Engineering - Summer

### BABSON COLLEGE

Grade: A

Babson Summer Study | 2020-2020

#### Coursework:

EPS 1100 Introduction to Entrepreneurial Experience

### UNIVERSITY OF PENNSYLVANIA

Wharton Summer High School Programs | 2020-2020

#### Coursework:

Future of the Business World