

GAVIN WONG

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 [linkedin.com/in/gavin-w0ng](https://www.linkedin.com/in/gavin-w0ng)
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SKILLS

LANGUAGES

Java, Python, Swift, HTML/CSS, SQL, JavaScript
Fluent in Mandarin and English

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

HONORS/AWARD

USACO Gold,
National AP Scholar,
Hack the Helyx 1st Overall,
CommunityHacks 2nd Overall

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