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,

TOOLS/PLATFORMS

Git/Github, Virtual Machines,
Linux/Ubuntu, Anaconda, Spyder,
Juypter, 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
https://geomhacks.com
GeomHacks | March 2020 -- Current

- 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
https://cupertinocoderdojo.com
CoderDojo Cupertino | Jan 2020 -- Current

- 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 Micoeconomics, 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 Entreprenurial Experience

UNIVERSITY OF PENNSLYVANIA
Wharton Summer High School Programs | 2020-2020

Coursework: Future of the Business World