David Ho

United States Citizen

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Education

New York University Tandon School of Engineering   **New York, New York**
Master of Science in Computer Science   **Dec. 2020**
GPA: 3.8 / 4.0
- Published to Computers and Chemical Engineering
- Research Focused in Machine Learning Applications

Relevant Graduate Coursework: Machine Learning, iOS Development, Information Security, Penetration Testing, Digital Forensics, Network Security, Computer Networking, Advanced Algorithms II, Software Engineering

New York University Tandon School of Engineering   **New York, New York**
Bachelor of Science in Computer Science   **May 2020**
GPA: 3.8 / 4.0
- Graduated Magna Cum Laude
- Tandon Scholarship (Full Tuition Scholarship)
- Dean's List (3 consecutive years)
- Tandon Engineering Honors Program
- BS / MS Program
- Varsity Volleyball Athlete
- UVC All-Academic Award (3 consecutive years)

Work Experience

Yahoo! Inc.   **May 2019 – Aug. 2019**
iOS Software Engineer Intern (Yahoo! Fantasy Sports App)
- Worked in Swift and Objective C to create new views, manage API calls, add analytics, and create new features in existing views.
- Contributed in production on the new Fantasy Draft "Best Ball" flow and links to existing features.
- Created Units Tests for models and API calls to ensure stability.
- Prepared for scaling for the upcoming football season (10 million active user a month).
- Full-Time Offer Extended

STOR   **Dec. 2017 – Dec. 2018**
iOS Developer
- Programmed front end and back end for an iOS application in Swift (github and website private – request please)
- Worked and held meetings with lawyers from Airbnb, spoke to investors about future funding.
- Backend Development with Firebase using NodeJS and set up payment system with Stripe.

NYU Tandon School of Engineering   **Aug. 2017 – Dec. 2017**
Computer Science Teaching Assistant
- Assisted the Introduction to Python and Problem Solving Class (CS 1114) for CS Majors
- Taught a lab section, created weekly plans, proposed homework questions, graded homework
- Held tutoring sessions for students struggling with the class

Intelli-Heart Services, Inc.   **May 2017 – Aug. 2017**
Technology Intern
- Created a new database and website for doctors to easily and quickly access patients' information.
- Worked with HTML and JavaScript for front-end work.
- Managed the tech-side of heart monitors by configuring monitors, and enrolling new patients

Research

Artificially Intelligent Bibliometric Analyzer   **Aug. 2019 - Present**
Artificial Intelligent Software Developer
- Laboratory-scale catalyst screening and characterization to broadly accelerate materials development and polymer commercialization. Uses artificially intelligent bibliometric analyzers to address the technical challenges to better observe and analyze the catalyst process. Created a machine learning algorithm to read research abstracts and apply them to predict chemical activators and catalysts. Led by Ryan Hartman PhD.

Notable Achievements

Computer Science / Engineering
- Iraj Kalkhoran I2E Award 2nd Place (2016) - Best product (Detektor), amongst all freshman honors engineers
- Most Technically Impressive for iPhone Application PUUL (2016) - Created carpool app for LA-based high school

Volleyball (NYU Varsity / USA Youth National / High School)
- United Volleyball Conference Champion, NCAA Participant, USA Youth National A2 Team, Junior Olympics Player

Skills

Proficient in Swift, Python, C++, Java, Javascript, MySQL, C, Objective C, HTML, Firebase, Tensorflow, NumPy, Pandas, Sketch,