David Ho
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United States Citizen

Education

New York University Tandon School of Engineering   **New York, New York**
Bachelor of Science in Computer Science   **Expected: May 2020**
Master of Science in Computer Science   **Expected: Dec. 2020**
GPA: 3.72 / 4.0
- Tandon Scholarship (Full Tuition Scholarship)
- Dean's List (3 consecutive years)
- Tandon Engineering Honors Program
- Varsity Volleyball Athlete
- BS / MS Program
- UVC All-Academic Award
- NYU Intercollegiate Athletics Advisory Committee Honor Roll

Relevant Graduate Coursework: Information Security, Penetration Testing, Digital Forensics, Network Security, Computer Networking, Advanced Algorithms

Relevant Undergraduate Coursework: Artificial Intelligence, Databases, Computer Architecture and Organizations, Algorithms, Object Oriented Programming, Digital Logic, Data Structures, Advanced Algorithms, Discrete Mathematics, Data Analysis, Nuclear Physics, Physics Mechanics, Physics Electricity Magnetism and Fluids, Calculus 2, Honors Intro to Engineering

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.
- Aided in the new feature of livestreaming NFL Games within the app in real time.
- Contributed in production on the new Fantasy Draft "Best Ball" flow and links to existing features.
- Prepared for scaling for the upcoming football season (4 million active user a month).

STOR   **Dec. 2017 – Dec. 2018**
iOS Developer
- Programmed front end and back end for an iOS application in Swift (not yet released, please email or call for github and website, currently in private mode)
- 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, configuring monitors, and enrolling new patients

Research

Artificially Intelligent, Autonomous MicroReactors for the Discovery of Polyolefin Catalysis   **Aug. 2019 - Present**
Artificial Intelligent Software Developer
- Laboratory-scale catalyst screening and characterization to broadly accelerate materials development and polymer commercialization. Uses artificially intelligent, autonomous microreactors (MicroAIRs) to address the technical challenges to better observe and analyze the catalyst process. I aided in the process of continually configuring the A.I and API to render the data in the smoothest and most efficient way possible. Led by Ryan Hartman PhD.

Notable Achievements

Computer Science / Engineering
- Iraj Kalkhoran I2E Award 2nd Place (2016)

Awarded 2nd place for best product (Detektor), amongst all freshman honors engineers
- Most Technically Impressive for iPhone Application PUUL (2016)
  Made a carpool app for my high-school Harvard-Westlake

Volleyball (NYU Varsity / Youth National / High School)
- NYU: United Volleyball Conference Champion, NCAA Participant, Ranked 10th in the Nation
- USA Youth National A2 Team: Represented Team USA in the volleyball training facility
- Santa Monica Beach Club: Junior Olympics Open Division Participant Ranked 5th in the Nation.

Skills

Languages: English, Spanish, Korean
Proficient in Python, Swift, C++, MySQL, C, Objective C, HTML, Firebase, Sketch, Microsoft Office Products, Illustrator