

Education

New York University Tandon School of Engineering

Master of Science in Computer Science

New York, New York

Dec. 2020

GPA: 3.8 / 4.0

- Published to Computers and Chemical Engineering for Machine Learning Applications
- Tandon Achievement for Outstanding Academics (2020)

Graduate Coursework: Machine Learning, Info Security, Penetration Testing, Network Security, Advanced Algorithms II

New York University Tandon School of Engineering

Bachelor of Science in Computer Science

New York, New York

May 2020

GPA: 3.8 / 4.0

- Graduated Magna Cum Laude
- Tandon Scholarship (Full Tuition Scholarship)
- Dean's List (4 consecutive years)
- Tandon Engineering Honors Program
- BS / MS Program
- Varsity Volleyball Athlete
- UVC All-Academic Award (4 consecutive years), Student-Athlete Academic Achievement Award

Work Experience

Peloton

July 2020 – Present

iOS Software Engineer

- Offered a Full Time opportunity to work for Peloton

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

Research

Using Word Embeddings in Abstracts to Accelerate Metallocene Catalysis Polymerization Research

Aug. 2019 - Present

Lead Researcher and Author

- 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,