

EDUCATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

September 2018-June 2019

Candidate for Masters in Computer Science with a Concentration in Computer Systems

Coursework: Databases, Computer Networks, Advanced Machine Learning, Parallel Processing, Multicore Processing

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

September 2014-June 2018

B.S. in Electrical Engineering and Computer Science with a Minor in Economics

GPA: 4.4/5.0

CS Coursework: Software Construction (Java), Software Studio (Javascript), Artificial Intelligence, Intro to Machine Learning, Graphic User Interface Design, Algorithms, Computation Structures (Assembly, C), Fundamentals of Programming (Python), Mathematics for Computer Science

EE Coursework: Microcomputer Project Laboratory (Assembly, C), Electromagnetic Waves and Applications, Circuits and Electronics

Economics Coursework: Health Economics, Public Economics and Policy, Microeconomics, Macroeconomics

EXPERIENCE

Apple

June - August 2018

Software Engineer

- Designed and implemented a data API for Apple Media Products that had REST endpoints with query language abilities
- Developed an internal tool for building URLs and ran performance and load tests using Jmeter
- Deployed code live to production to be adopted by iOS, desktop and internal web applications

MIT Media Lab

June - August 2018

Software Engineer

- Built job assignment and simulation for on PEV self driving car project using real taxi, hubway, and subway data

Novartis NIBR Informatics

June - August 2017

Software Engineer

- Created an image recognition application that can allow scientists and engineers to rapidly draw scalable models and diagrams
- Trained a machine learning algorithm to identify shapes drawn by users and allow them to place into their diagrams
- Developed a React/Redux based interface that allows users to train the algorithm to convert their hand drawings to SVGs

NASDAQ

May - August 2016

Global Technology Intern

- Experimented in an agile environment with Amazon's Alexa on natural language processing to augment current products
- Developed an automated website builder tool and presented a go-to-market strategy for the product to numerous business leaders

Up Photography

June 2014 - Present

Co-Founder and CEO

- Formed an LLC in order to use our video and photo-editing skills to film aerial photos and videos with a drone
- Developed and designed a website and brand for our company at <http://upphoto.us>

LEADERSHIP AND ACTIVITIES

Theta Tau Professional Engineering Fraternity

March 2016 - Present

President

- Managed and led 50 diverse college students in the creation of a brand new novel, professional fraternity
- Governed all internal chapter operations and finances
- Restored and now maintain our current 10TB server containing all chapter history, media, and website portal at <http://thetatau.mit.edu>

MIT Varsity Swimming & Diving

September 2014 - Present

Captain

- All-American in the 200 Freestyle Relay, 400 Freestyle Relay, and 400 Medley Relay placing top 8 at Division III National Championships
- Academic All-American in 2015 and 2016

MIT Varsity Water Polo

September 2014 - Present

Captain

- Competed with the team as a center and won a Division III Eastern Championships and placed 5th at the CWPA Eastern Championships

SKILLS AND INTERESTS

Programming Experience

- Expert Clojure, Python, Java, Javascript, Node, Flask, HTML, Go, CSS, React, Redux, AWS, Tensorflow and experience with Keras, PHP, C, R

Other Interests

- Expert in video editing and animation with Final Cut Pro and Adobe Premier and After Effects
- Proficient in graphic design and photo editing with Adobe Photoshop, Illustrator, and Indesign
- Threw Javelin in High School. Served as a freshman Perfect and senior RA at boarding school. Love surfing, beach, and sunscreen
- Golf Handicap: 12