

EDUCATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

September 2014-June 2018

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

Major GPA: 4.6/5.0

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), Multivariable Calculus, Mathematics for Computer Science

EE Coursework: Microcomputer Project Laboratory (Assembly, C), Electromagnetic Waves and Applications, Circuits and Electronics, Introduction to Electrical Engineering and Computer Science

Economics Coursework: Public Economics and Policy, Microeconomics, Macroeconomics

EXPERIENCE

Novartis NIBR Informatics

June 2017 - Present

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 be placed 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

- Engineered new web development platform and potential product for Global Corporate Solutions
- Worked on Drupal, an open-source content management system, in PHP to develop the backend functionality to efficiently build websites
- Implemented numerous JavaScript libraries and front-end frameworks to augment the user experience
- Experimented in an agile environment with Amazon's Alexa on natural language processing to augment current products
- 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
- Provided low cost, high-quality advertising for high-end real estate companies
- Developed and designed a website and brand for our company at <http://upphoto.us> and currently work part-time while in school

MIT Cypruss Engineering Design Studio

June - August 2015

Undergraduate Lab Assistant

- Helped develop a more efficient inventory system to allow students to rent equipment and use the lab space

LEADERSHIP AND ACTIVITIES

Theta Tau Fraternity

March 2016 - Present

Chapter Operations – President, Technology Chair and House Manager

- Managed and led 50 diverse college students in the creation of a brand new novel, professional fraternity
- Governed all internal chapter operations and finances
- Acted as the liaison between our national organization, our brothers, and MIT
- 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

Teammate

- 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
- Led team to playoffs every year, CA North Coast Section quarterfinals as Senior

MIT Varsity Water Polo

September 2014 - Present

Teammate

SKILLS AND INTERESTS

Programming Experience

- Expert Python, Java, Javascript, Node, Flask, HTML, Go, CSS, React, Redux, AWS, and experience with PHP, C, R, MATLAB, Excel, and LaTeX

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

Chubbies Campus Ambassador

September 2014 - Present

48 Hour Film Festival Competitor

June 2013 and June 2014