Jeremy Bogle

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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 Learniing, Graphic User Interface Design,
    Algorithms, Computation Structures (Assembly, C), Fundamentals of Programming (Python), Multivariable Calculus, Mathematics for Computer Science
EE Coursework: Microcomputer Project Labratory (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 placed into their digrams
- 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 liason 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, CSS, React, Redux and experience with AWS, 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 an 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