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Massachusetts
Institute of
Technology



Course 6-3 - Computer Science

Pursuing Bachelor of Science in Computer Science and Engineering

GPA: 4.7 / 5 Expected graduation: May, 2017

Coursework: 6.344 Image Processing, 6.869 Machine Vision, 6.837 Graphics



6/2015 - 8/2015

Venice Beach, CA

Software Engineering Intern

Architected, proposed, and initiated the refactoring of a core piece of YouTube ad infrastructure, handling billions of requests per day. The changes improved the maintainability of the system by reducing code duplication and complexity, and by facilitating fine grained unit testing. Rewrote over 6000 lines of production Java, including over 200 new unit tests.



6/2014 - 8/2014

Santa Monica, CA

Software Engineering Intern

Created a Python metadata management microservice which handles around 4 million requests per day. An engineering manager described its maintenance as "possibly the easiest job in the world."



Worked Ruby on Rails, Flask, and Backbone.js in a production environment.



6/2013 - 9/2013

San Diego, CA

Front-End Web Development Intern

Created a custom content management system in JavaScript and PHP to manage dynamic content on designemcee.com. Front end development in HTML, SASS, and JavaScript.



5/2013 - Present

Freelance Full-Stack Web Developer

Designed and created static websites, web applications, and web-based systems for a variety of clients. Ex: sciex.mit.edu, stickir.com, keithandcassie.us



MIKEY'S RUN

4/2013 - 4/2014

Nonprofit Cofounder and Technical Director

Helped raise \$230,000 to aid Boston Bombing victims. Built and administered mikeysrun.com. Managed public relations, news presence, and social media.

Projects

Infract.js - Created a JavaScript plugin & Chrome extension which brings SMART Board™ like interactivity to the browser with computer vision and webcams.

SubSync - Created a Sublime Text 3 plugin enabling real-time text synchronization over the internet.

Technologies

C++ **Java** **Python** **Go** **JavaScript** Matlab Ruby Bash
Image & Data Processing Machine Vision CUDA C Node.js HTML/CSS