

# ALEX CAULFIELD

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65 Bromfield Rd. Somerville, MA 02144

## EDUCATION

### **Tufts University Medford, MA**

*B.S. Computer Science and Cognitive & Brain Sciences, Expected May 2018*

- GPA 3.71
- Dean's List Fall 2014 - Spring 2017
- Web Programming, Human-Computer Interaction, Data Structures, Machine Learning, Algorithms  
Machine Structure & Assembly Language Programming, Computation Theory, Graphic Design

## SKILLS

### **Programming**

HTML, CSS, Javascript, Nodejs, Backbonejs, Marionettejs, Groovy, C/C++, Java, Jenkins, Git, MongoDB, UI/UX Design, Wireframing, x86 Assembly

### **Other Skills/Interests**

Microsoft Office, Adobe Photoshop, Adobe Illustrator, Sketch, Balsamiq, Inbound Marketing (HubSpot Certified), Final Cut Pro, Logic Pro, DJing, Pro Tools, Ultimate Frisbee (Tufts Men's Captain July 2016 - Present)

## EXPERIENCE

### **Genospace Cambridge, MA**

*Software Engineering Intern, May 2017 - Present*

- Worked with the full stack in Backbone.js, Grails, and MongoDB in an Agile development team of 4
- Edited the design of webpages with Backbone and Marionette to improve user experience
- Developed functionality of the backend in Grails/Groovy by helping the application ingest data from medical files
- Created unit tests and developed using the MVC pattern
- Utilized tools such as JIRA, Jenkins, and Git (bitbucket)

### **Asset Strategy Advisors Natick, MA**

*Marketing & Communication Intern, May 2016 - August 2016*

- Developed new page templates to improve user experience and retention on website with HTML, CSS and JavaScript
- Created email campaigns that improved click rates and resulted in added leads in Salesforce
- Examined data from Twitter and Google analytics and decreased bounce rate 10% through content development and improved website structure

## PROJECTS

### **Essentials Spotify Web Application**

*Lead Web Engineer, December 2016 - Present*

- Developed an application that finds new music for users using the Spotify API
- Created graphs showing musical trends leading to popularity in different albums

### **Mix Master Interactive DJ Game**

*Web Developer, April 2017 - Present*

- Created a game that uses the Spotify API to gather songs that users can put into a DJ set in order to score more points

### **Self-Driving Car UI HCI Design Prototype**

*UI/UX Designer and Web Developer, February 2017 - May 2017*

- Worked on developing a user-friendly interface for a self-driving car using Balsamiq to mockup the design along with HTML/CSS and the Google Maps API for the prototype