

# Margaret Feltz

mfeltz0320@gmail.com | (860) 384-4295  
mfeltz.github.io | 52 Sunset Rd, Somerville, MA

## EDUCATION

**Tufts University**, Medford, MA | Expected Graduation: May 2016

**Major:** B.S. Computer Science, School of Engineering

**Minor:** Entrepreneurial Leadership Studies

**Languages:** C, C++, Javascript, Java, SQL, HTML, CSS,

**Learning:** Python, Swift, Objective-C, Puredata

**Software:** Microsoft Office, Adobe Illustrator, Solidworks, Eclipse (debugger)

**Skills/Frameworks/Other:** Mongo, Git, Heroku, Linux, JSON

**Learning:** Django, XCode

**Coursework:** Algorithms, Data Structures, Web Engineering, Web Programming, Machine Structure and Assembly Language, Computational Theory, Music Apps on the iPad, Discrete Mathematics, Calculus I, II, & III, Global Product Development

## SKILLS & COURSEWORK

## TECHNICAL EXPERIENCE

**IBM Corporation**, Littleton, MA

**SmartCloud Notes Software Developer Intern** Jun 2014 – Aug 2014

> Improved performance capabilities for IMAP data in SmartCloud Notes

> Configured database project to be compatible with current version of IBM DB2

**GKN Aerospace**, Newington, CT

**Quality/Project Planning/Engineering Intern** Jun 2012 – Jan 2014

> Implemented statistic processing software by configuring data options for operators

> Analyzed historical data/process capabilities by calculating operation proficiencies

**Pratt and Whitney Aircraft**, Middletown, CT

**Engineering Intern** May 2011 – Aug 2011

> Implemented change in chemical used to clean jet engine fan cases

> Researched customer requirements and specifications for chemical allowances

## PROJECTS

**Image Compression and Rotation** Fall 2014

> Used bit shifting and bit packing to perform image compression and decompression in C

> Developed algorithms to rotate an image, testing speed and locality

**RPN Calculator** Fall 2014

> Built a Reverse Polish Notation Calculator using assembly language

**Word Frequency Table** Spring 2013

> Used a Hash Table in C++ to search and survey the frequency of each word in any size document

**JumboSavings** Spring 2014

> Created and designed a website to analyze students' university debit use with HTML, CSS, and Javascript

> Integrated the Twitter and Google Maps API to personalize and create an interactive site, and MongoDB to manage data

**Tufts China Care Website** Spring 2014 – present

> Re-designed the website with a more chic design and interactive interface using HTML, CSS, and Javascript

**Squarebear** current

> Developing a web app in Python with Django for social networking to post content

## BUSINESS EXPERIENCE

**Tufts Student Resources**, Somerville, MA

**Chief Executive Officer** Jan 2015 – present

*Previously: Chief Operating Officer (2014), Celebrations Manager (2013)*

> Oversee all operations of student run business, with over 80 employees and \$500k in yearly revenues

## LEADERSHIP

**Tufts China Care**, Medford, MA

**President** Sep 2013 - present

**Tufts LUX Fashion Show** Medford, MA

**Director** Sep 2012 – present