

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

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

> As COO, internally managed 15 student managers and all day-to-day operations

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

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

Squarebear current

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

LEADERSHIP

Tufts China Care, Medford, MA

President Sep 2013 - present

> Funded \$8,500 in surgeries for orphans in Beijing last year

> Oversee executive board members and events

> Liaise with Half the Sky (parent organization), university staff, and peer organizations

Tufts LUX Fashion Show Medford, MA

Director Sep 2012 – present

> Fundraised over \$5,000 at the 2014 show

> Co-produced fashion show and manage sponsorship team of 20+ peers