

Mitchell Katz

2119 2nd Ave W • Seattle, WA 98119 • Phone: (206) 930-9884 • E-Mail: mitchellmkatz@gmail.com • github.com/KatzMitch

Education

Tufts University - Class of 2017

Major: Computer Science (B.S.)

General GPA: 3.44, Computer Science GPA: 3.68

Dean's List- Spring 2014, Fall 2014

Work Experience

Tufts University Department of Computer Science

January 2014 – Present | Medford, MA

Teaching Assistant, COMP15: Data Structures

- Held office hours to tutor students in C++ and provide help on homework assignments
- Graded homework, providing feedback on functionality, design, and source code formatting

Balch Arena Theatre

October 2013 – Present | Somerville, MA

House Manager, Box Office Attendant

- Coordinate with stage manager for prompt start and end of show
- Train ushers to maintain fire code accordance in the theatre
- Create attendance reports for each performance

Portage Bay Café and Catering

March 2013 – August 2014 | Seattle, WA

Server, Host, Expeditor and Busser

- Serve an average of 25 people per hour in a busy restaurant

Selected Projects

- Built a Turing complete 14 instruction RISC universal machine emulator in C, and a macro assembler to create executable binaries for the UM emulator.
- Created a database system in C++ that can import megabytes of song lyrics and search through them to report the songs with the most occurrences of a word.
- Wrote a program in C to perform an image compression and decompression on ppm images by performing a discrete cosine transformation on the picture.

Leadership Positions

- Stage Manager- Tufts University Department of Drama and Dance
Manage the logistics of a production, run all rehearsals and meetings, and ensure the director and designers' artistic visions are enacted. Stage Manager for six productions in the past 2 years under both professor and student directors.
- Board Member- Pen, Paint and Pretzels: Tufts University's Student Theatre Organization
Responsible for steering Tufts University's oldest student organization's finances, internal operations and external relations. Elected by the membership of the organization.
- Executive Multimedia Editor- The Tufts Daily
Oversaw the quality and operations of the newspaper's blog, Twitter, Facebook and Instagram. Ranked the 7th best student newspaper in the nation by Princeton Review. Spring 2014.

Programming Languages: C/C++, Java, Python, Ruby, PHP, and x86 Assembler

Developer Tools: Unix, Git, DDD/GDB, Valgrind, KCacheGrind

Knowledgeable Topics: Machine architecture, Algorithm design and analysis, Data structures

[References Available Upon Request](#)