

EDUCATION

Tufts University, School of Engineering - Medford, MA

Bachelor of Science in Computer Science and Human Factors Engineering, expected May 2019
GPA: 3.07

RELEVANT COURSES

Machine Structure and Assembly Language, Algorithms, Computer Interface Design, Web Programming, Data Structures, Advanced Engineering Psychology, Mechanics – Statics & Dynamics

SKILLS

Computer Languages: C, C++, HTML, CSS, JavaScript, and MatLab

Visual Design: Adobe Illustrator, Sketch, InVision

Human Factors: User Research, UI Design, Usability Testing, Wireframing

Computer Programs: Microsoft Office, SPSS, and CAD

PROJECTS

Tufts JumboCode, UX/UI Designer

- Designing the interface for the Boston Institute of Nonprofit Journalism website
- Assisting with front-end programming

Tufts PolyHack Project

- Designed and developed a web platform to connect solo travelers abroad
- Developed the interface of the platform using HTML/CSS, JavaScript, and Flexbox
- Connected the front-end and back-end

School Projects

- Integer and Logical Operations: Image compression/decompression program created by packing and unpacking binary data and required the use of two's complement and floating-point arithmetic
- The Universal Machine: Emulated a Universal Machine that contained segmented memory, 8 registers, and 14 machine instructions.
- Binary Bomb: Debugged a binary "bomb" that used AMD64 assembly code
- Cache and Locality: Implemented an interface for blocked 2D arrays, and then performed image rotations using different array accessing methods, and analyzed their performance
- Grep: Simulated Mac Spotlight feature by indexing and searching a file tree for strings

LEADERSHIP AND ACTIVITIES

Imaginet Advertising Club, Account Manager

- Met with clients to determine needs and to come up with plan to advance their organization
- Facilitated brainstorming sessions with group members to determine proper course of action
- Analyzed scope of recent advertisements and marketing campaigns

Society of Women Engineers, Event Planner

- Plan and organize networking, community outreach, and social events for Tufts' women engineers

Tufts Human Factors & Ergonomics Society, General Member

Women in Computer Science, General Member

EXPERIENCE

Mechanical Engineering Department, Teaching Assistant, January-May 2017

- Graded homework assignments and projects for the Intro to Human Factors Engineering Class
- Gave feedback on assignments and answered students' questions on class topics

Carson Optical, Inc., Ronkonkoma, NY – Engineering Intern, July-August 2014

- Designed and prototyped a magnifying glass with other engineers