

Ashley Smith

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Education

Tufts University, Medford, MA

Bachelor of Science in Computer Science, School of Engineering, May 2019

GPA: 3.67, Dean's List

Relevant coursework: Internet of Things, Automated Language Processing, Programming Languages, Cyber Security, Machine Structure and Programming, Introduction to Digital Electrical Systems, Web Programming

Relevant Experience

Target Software Engineering Intern

June 2018 – August 2018

- Built an application that searches and displays Registries from Target's API to demonstrate the use of the team's tech stack which uses React, Redux, Redux Saga, ImmutableJS, and Reselect
- Built the UI for an internal tool for Target's buyers to manage discontinued items using React and Redux with team of 3 people
- Migrated several repositories to the latest CI/CD Drone platform

Tufts Girls of Code Teacher/Organizer

October 2016 – December 2017

- Organized free coding workshops for 20 middle school girls with a team of 6 people
- Instructed the girls on how to program, using languages including MIT App Inventor 2 and processing

Energy Choice Software Engineering Intern

May 2017 – October 2017

- Maintained and developed new features for the company's internal website, which is built in ERPNext, an open source Frappé Framework
- Built an online store with one other person in Python and JavaScript using Django
- Managed and updated the public website's information and design

Tufts University Teaching Assistant

January 2017 – May 2017

- Graded homework assignments, lead labs, and held office hours for students in ES 2 (Introduction to Computing in Engineering) and COMP 11 (Introduction to Computer Science)
- Worked in C++ and MATLAB for COMP 11 and ES 2 respectively

Projects

Security Incident Alarm

October 2017

- Built an alarm using the Scapy package in Python to alert a user when their system undergoes a variety of scans or they enter credentials into an insecure network

Image Compressor

February 2017

- Worked with a partner in C to compress an image to a third of its size and decompress it back to the original image

Igloo

December 2016

- Created a social network model that allows users to add connections and then find all of their second-degree connections using Python

Morse Converter

May 2016

- Implemented a moving average filter and thresholding to convert Morse Code audio files into English text using MATLAB

Skills

Computer Languages: React, Redux, C, C++, JavaScript, Python, Django, HTML, CSS, Bootstrap, MATLAB

Other Experience

Tufts Hillel Reform Minyan Coordinator, Somerville MA

January 2017 – December 2017

- Coordinate weekly Reform services with a partner, including monthly themed Shabbat services
- Attend weekly board meetings and plan programs with a branch of 6 board members

Jumpstart Corps Member, Somerville, MA

October 2015 – May 2016

- Collaborated with a team of five AmeriCorps members to plan classroom activities twice a week for a class of 20 preschool children in low-income neighborhoods