

Ashley Smith

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Education

Tufts University, Medford, MA

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

GPA: 3.64, Dean's List

Relevant coursework: Machine Structure and Programming, Introduction to Digital Electrical Systems, Discrete Mathematics, Web Programming, Data Structures

Union County Magnet High School, Scotch Plains, NJ

Graduation: June, 2015

National Honor Society

Relevant Experience

Tufts University *Teaching Assistant*

January 2017 – Present

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

Tufts Girls of Code *Teacher/Organizer*

October 2016 – Present

- Organize free coding workshops for 20 middle school girls with a team of 6 people
- Instruct the girls on how to program, using MIT App Inventor 2 and processing
- Encourage the girls to experiment with their programs and facilitate learning

Projects

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 their second-degree connections using Python

Megabites

October 2016

- Built a group food-ordering web application with a team of seven students at Tufts Polyhack Hackathon
- Used bootstrap to create the front-end of the application and combined it with the rest of the project

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: C, C++, Python, HTML, CSS, JavaScript, Bootstrap, MATLAB

Computer Programs: AutoCAD, Inventor

Other Experience

Tufts Hillel *Reform Minyan Coordinator*, Somerville MA

January 2017 - Present

- 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

Camp Ramah *Counselor*, Nyack NY

June 2015 – August 2016

- Planned and led Jewish educational activities for a group of 7-year-old children
- Supervised the group of children and resolved conflicts

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