Ashley Smith

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Education

Tufts University, Medford, MA
Bachelor of Science in Computer Science, School of Engineering, May 2019
GPA: 3.63, Dean's List
Relevant coursework: Programming Languages, Cyber Security, Machine Structure and Programming, Introduction to Digital Electrical Systems, Discrete Mathematics, Web Programming, Data Structures

Relevant Experience

Energy Choice *Software Engineering Intern*   *May 2017 – Present*
- Fix bugs and add features to the company's internal website, which is built in ERPNext, an open source Frappé Framework
- Building an online store with one other person in Python and JavaScript using Django
- Manage and update the public website's information and design

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

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

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

Gerp   *December 2016*
- Built a file search program that uses a trie to store and search for a word in all files within a folder using C++

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++, JavaScript, Python, Django, HTML, CSS, 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