

Education

University of Massachusetts Amherst

Anticipated May 2020

Bachelor of Science in Computer Systems Engineering

GPA: 3.6

Commonwealth Honors College, Dean's List

Relevant Coursework

Circuits I & II, Digital Logic & Computer Systems, Data Structures & Algorithms, Discrete Mathematics

Experience

Stop & Shop, Harwich, MA

May 2013 – Jan 2018

Cashier (May 2013 – Jun 2016), Starbucks Barista (Jun 2016 – Jan 2018)

- Ensured friendly, effective customer service and developed rapport with customers
- Eventually took on additional responsibilities, including training and organization of supplies

International Fund for Animal Welfare, Yarmouth Port, MA

Jun – Aug 2015

IT Intern

- Provided technical support for users on company computer systems
 - Imaged and deployed Windows installations to new users
-

Academic Projects

Java Graphs Project

Dec 2017

- Implemented a graph data structure and effective graph algorithms, including depth-first search, breadth-first search, and Prim's algorithm
- Utilized the Java 8 Stream interface and Java 7 Files class for efficient IO
- Created a fully generified heap to store and operate on objects of any class

Java Hash Table Project

Nov 2017

- Created a hash table that handled collisions with open addressing and double hashing
- Implemented advanced sorting algorithms, including mergesort, shellsort, quicksort, and heapsort

PCB Fabrication

Sep – Dec 2016

- Utilized Altium Designer to create an audio amplifier board
 - Created a schematic for the board and laid out the schematic on a double-layered PCB
-

Skills

Languages: (proficient with) Java, (familiar with) C, MIPS Assembly, Python, HTML, CSS

Operating Systems: Windows, Linux

Software: JetBrains IDEs, VIM, PowerShell, Altium Designer, Fusion 360, Microsoft Office

Hardware: Tektronix Oscilloscopes, Digital Multimeters, Function Generators, Arduino, Raspberry Pi

Leadership

President of High School Engineering Club

September 2012 – May 2016

- Organized meetings and skills training (e.g. soldering, circuit design and interpretation)
 - Coordinated and took part in research for projects (e.g. underwater ROV, quadcopter)
-

Activities

Parkour, Hip-hop Dancing