

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 CourseworkCircuits 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
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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**Jan – May 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
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Skills

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

Operating Systems: Windows, Linux

Software: JetBrains IDEs, VIM, PowerShell, Altium Designer, Autodesk Inventor, 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)
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Activities

Parkour, Hip-hop Dancing