

Education

Bachelor of Science in Computer Engineering

Wentworth Institute of Technology | Boston, MA,

Expected August 2020

Relevant Courses: Fundamentals of CAD & CAM, Introduction to MATLAB, Digital Logic, Computational Physics, Modern Physics, Network Theory II (AC/DC circuit analysis), Differential Equations, Multivariable Calculus, Microcontrollers (C Programming)

Minor: Physics

GPA: 3.45

Computer Skills

Software: Multisim, AutoCAD, Microsoft Office Suite, LabVIEW, SolidWorks, Logisim, Photoshop, Eclipse

Languages: C, C++, Java, Python, Javascript, FORTRAN, L^AT_EX

Operating Systems: Windows, MacOS, and Linux

Test Instruments & Devices: Oscilloscope, Function Generator, Digital Multimeter, Power Supply, Breadboard, BJT's, MOSFET's, OP-Amps, Arduino, Raspberry Pi

Academic Projects

Gym Capacity App / Intro to Engineering Design

- Designed a system of sensors and equipment that could theoretically keep track of capacity as well as equipment in use. Performed research to gain insight as to how we would solve this problem
- Incorporated engineering design methods to create a realistic product idea and presented it to a group of peers and professors

Modeling Exoplanets / Computational Physics

- Utilized knowledge of FORTRAN to compute gravitational force as well as gravitational potential of Jupiter at different distances from the sun to see behavior in other solar systems
- Numerically solved differential equations to make visual representations of the findings and compiled them into a L^AT_EX document.

Side-scrolling Game in C / Microcontrollers

- Utilized multiple functions and external files to create a character texture as well as moving obstacle textures
- Implemented interrupt service routine to allow for player input and pointers to manipulate timing registers for updating the screen
- Worked collaboratively and individually to troubleshoot problems and come up with unique ideas to draw what we envisioned

Experience

Book Store Attendant

September 2017 - Present

Wentworth Institute of Technology | Boston, MA

- Provided customer service and support while processing cash and credit transactions
- Maintained the cleanliness of the books and other school merchandise

Customer Service Specialist

Summer 2017

Lowes | Wareham, MA

- Provided advice about various products in the Building Materials section
- Aided in the locating and loading of heavy products
- Fulfilled online and call ahead orders of Building Material products

Computer Service Specialist/Shift Manager

August 2014 - August 2016

The Mac Express | Wareham, MA

- Worked with Apple products in a retail environment
- Assisted with sales of Apple products, warranties, audio, printers, software, ect.
- Provided support for MacOS and iOS and lead classes for customers
- Aided in new employee training and performed various repairs on computers and phones

Memberships

Institute of Electrical and Electronics Engineers (IEEE)

January 2017 - Present