Connor F. Henley

https://connorhenley.engineer

OBJECTIVE: To obtain an co-op in the Computer Engineering field during the summer or fall of 2018, which will allow me to gain experience in the field and apply topics learned in class.

EDUCATION:

Rochester Institute of Technology — Rochester, NY
Master of Science in Computer Engineering — Expected May 2021
Bachelor of Science in Computer Engineering, Minor in Computer Science — Expected May 2021
GPA: 3.46

COURSES:

- Assembly Language Programming
- Circuits I
- Computer Organization
- Digital Systems Design I & II
- Introduction to Software Engineering
- Mechanics of Programming
- Multi-variable Calculus
- University Physics I & II

SKILLS:

Software: Altera Quartus, Arduino IDE, Cura, Git, Keil uVision, Linux, Microsoft Office, Windows
Programming Languages: ARM Assembly, C, Java, LabView, LaTeX, Python 3, VHDL
Hardware: 3D Printer, Multimeter, Oscilloscope, Signal Generator, Soldering

PROJECTS AND LABS:

Arduino Clock
- Created a internet-enabled clock using an Arduino Uno, TFT screen, Ethernet module, C++ code, and a custom 3D printed case

RIT FIRST's ImagineRIT Project
- Collaborated with other engineers and programmers to build small robots that are driven by attendees of ImagineRIT
- Led the redesign of the project for ImagineRIT 2018

Swerve Code for FRC (FIRST Robotics Competition) Team 1699
- Programmed a swerve drive-train (and accompanying libraries), which is a complex drive base where all wheels can turn 360° and are independently steered and driven.

WebCheckers for Intro to Software Engineering
- Worked in a team of students to complete a web application for playing checkers (including an AI and game spectating)
- Utilized Java, git, Spark micro-webframework, Apache Maven, and JUnit

EXPERIENCE:

Grader for Department of Computer Science — Aug 2017 - Present
Rochester Institute of Technology, Rochester NY
- Graded Mechanics of Programming programs (written in C) of students in a Linux environment
- Collaborated with another grader and the professor to ensure fair grading of all students

AWARDS:

- A+ and Network Pro Certified
- Chairman's Award from FRC Team 1699
- Dean's List Nominee from FRC Team 1699
- Dean's List from Kate Gleason College of Engineering, Spring 2017

ACTIVITIES AND HOBBIES:

FIRST Robotics — Oct 2009 - Present
- Volunteered at events to keep the event running smoothly — Apr 2014 - Present
- Elected to co-captain position on FRC Team 1699 — Sept 2012 - May 2016
- Directed the local FLL (FIRST Lego League) team — Oct 2009 - Dec 2011

RIT FIRST Robotics Club — Sept 2016 - Present
- Mentored local FIRST robotics teams, assisting with programming, electronics, team building, and game analysis
- Elected for the Executive Board in the Public Relations position — May 2016 - Present

3D Printing Enthusiast
BrickHack 3 Hacker — Feb 11 and 12 2017