Connor Henley

https://connorhenley.engineer

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

EDUCATION:
Rochester Institute of Technology — Rochester, NY
Bachelor of Science in Computer Engineering — Expected May 2021
GPA: 3.37

COURSES:

Assembly Language Programming	Introduction to Software Engineering
Calculus I & II	Mechanics of Programming
Computer Science I & II	Multivariable Calculus
Digital Systems Design I	University Physics I & II

SKILLS:
Software: Altera Quartus, Arduino IDE, Cura, Git, Linux, Microsoft Office, Solidworks, Windows
Programming Languages: ARM Assembly, C, Java, LabView, LaTeX, Python, VHDL
Hardware: 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

Delta Editor
- Designed and programmed a Unix text editor with basic functionality (open, save, scrolling, status bar, etc) in C using ncurses

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 drivetrain (and accompanying libraries), which is a complex drivetrain where all wheels can turn 360°and are independently steered and driven.

EXPERIENCE:
Grader for Department of Computer Science — Aug 2017 - Present
RIT, Rochester NY
- Graded C programs of 40 students in a Linux environment
- Worked in a team in order 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 smooth — Apr 2014 - Present
- Elected for co-captain on FRC Team 1699 — Sept 2012 - May 2016
- Directed the local FLL (FIRST Lego League) team — Oct 2009 - Dec 2011

RIT FIRST — Sept 2016 - Present
- Mentor local FLL and FRC 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