

Connor F. Henley

<https://connorhenley.engineer>

OBJECTIVE: To obtain an co-op in the Computer Engineering field during the summer (May 16th to August 13th) 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: 3.53

COURSES: Assembly Language Programming Introduction to Software Engineering
Circuits I Mechanics of Programming
Computer Organization Multi-variable Calculus
Digital Systems Design I & II 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, L^AT_EX, 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