

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
Masters 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 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: 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