

# Connor F. Henley

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<https://connorhenley.engineer>

**OBJECTIVE:** To be selected as a Resident Advisor, which will allow me to assist residents with their transition to college life and help them succeed during their time at RIT.

**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	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:** Arduino IDE, Cura, Git, Linux, Microsoft Office, Windows  
**Programming Languages:** ARM Assembly, C, Java,  $\text{\LaTeX}$ , Python 3, VHDL

**EXPERIENCE:** 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

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

Public Relations for RIT FIRST May 2017 - Present  
Rochester NY

- Coordinated events and mentorship for FIRST teams near RIT
- Worked with other members of the Executive Board to ensure that everything ran smoothly

**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  $360^\circ$  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

**AWARDS:**

- 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:** 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