

# Connor Henley

---

<https://connorhenley.engineer>

**OBJECTIVE:** To obtain an internship in the Computer Engineering field.

**EDUCATION:** Rochester Institute of Technology  
Bachelor of Science in Computer Engineering  
GPA: 3.26

Rochester, NY  
Expected May 2021

**COURSES:** Calculus I & II  
Computer Science I & II  
Digital Systems Design I

Mechanics of Programming  
Multivariable Calculus  
University Physics I & II

**SKILLS:** ARM Assembly  
C  
Java  
Microsoft Office

Python  
L<sup>A</sup>T<sub>E</sub>X  
VHDL  
Windows and Linux

**PROJECTS:** 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

WPILibPi

- Main programmer for rewriting the hardware interaction layer of the library used in FIRST Robotics Competition (FRC) to make it run on a Raspberry Pi

Swerve Code for Team 1699

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

**EXPERIENCE:** FIRST Robotics  
Colchester CT and around Rochester NY

Oct 2009 - Present

- Co-captain on FRC Team 1699
- Directed the local FIRST Lego League (FLL) team

Sept 2012 - Apr 2016  
Oct 2009 - Dec 2011

Public Relations for RIT FIRST  
Rochester NY

May 2017 - Present

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

**AWARDS:**

- A+ and Network Pro Certified
- Chairman's Award from FRC Team 1699
- Dean's List Nominee from FRC Team 1699

**COMMUNITY SERVICE:** Mentoring FIRST Robotics Teams

- Mentored FRC Team 1699 in Colchester CT and FLL 6149 in Rochester NY

Sept 2016 - Present

Volunteering at FIRST Events

- Worked in a team in order to keep the event running and on-schedule
- Volunteered at multiple FIRST events doing field reset, scoring and field setup/takedown

Apr 2014 - Present

**INTERESTS AND HOBBIES:**

- BrickHack 3 Hacker
- 3D Printing Enthusiast