

# Connor F. Henley

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<https://connorhenley.engineer>

<b>OBJECTIVE:</b>	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.		
<b>EDUCATION:</b>	<b>Rochester Institute of Technology</b>	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		
<b>COURSES:</b>	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	
<b>SKILLS:</b>	<b>Software:</b> Arduino IDE, Cura, Git, Linux, Microsoft Office, Windows <b>Programming Languages:</b> ARM Assembly, C, Java, $\text{\LaTeX}$ , Python 3, VHDL		
<b>EXPERIENCE:</b>	FIRST Robotics	Oct 2009 - Present	
	<ul style="list-style-type: none"><li>Volunteered at events to keep the event running smoothly</li></ul>	Apr 2014 - Present	
	<ul style="list-style-type: none"><li>Co-captain on FRC (FIRST Robotics Competition) Team 1699</li></ul>	Sept 2012 - May 2016	
	<ul style="list-style-type: none"><li>Directed the local FLL (FIRST Lego League) team</li></ul>	Oct 2009 - Dec 2011	
	Grader for Department of Computer Science	Aug 2017 - Present	
	Rochester Institute of Technology, Rochester NY		
	<ul style="list-style-type: none"><li>Graded Mechanics of Programming programs (written in C) of students in a Linux environment</li><li>Collaborated with another grader and the professor to ensure fair grading of all students</li></ul>		
	Public Relations for RIT FIRST	May 2017 - Present	
	Rochester NY		
	<ul style="list-style-type: none"><li>Coordinated events and mentor-ship for FIRST teams near RIT</li><li>Worked with other members of the Executive Board to solve issues in the club</li></ul>		
<b>PROJECTS AND LABS:</b>	Arduino Clock		
	<ul style="list-style-type: none"><li>Created a internet-enabled clock using an Arduino Uno, TFT screen, Ethernet module, C++ code, and a custom 3D printed case</li></ul>		
	RIT FIRST's ImagineRIT Project		
	<ul style="list-style-type: none"><li>Collaborated with other engineers and programmers to build small robots that are driven by attendees of ImagineRIT</li><li>Led the redesign of the project for ImagineRIT 2018</li></ul>		
	Swerve Code for FRC Team 1699		
	<ul style="list-style-type: none"><li>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.</li></ul>		
	WebCheckers for Intro to Software Engineering		
	<ul style="list-style-type: none"><li>Worked in a team of students to complete a web application for playing checkers (including an AI and game spectating)</li><li>Utilized Java, git, Spark micro-webframework, Apache Maven, and JUnit</li></ul>		
<b>AWARDS:</b>	<ul style="list-style-type: none"><li>Chairman's Award from FRC Team 1699</li><li>Dean's List Nominee from FRC Team 1699</li><li>Dean's List from Kate Gleason College of Engineering, Spring 2017</li></ul>		
<b>ACTIVITIES AND HOBBIES:</b>	RIT FIRST Robotics Club	Sept 2016 - Present	
	<ul style="list-style-type: none"><li>Mentored local FIRST robotics teams, assisting with programming, electronics, team building, and game analysis</li><li>Elected for the Executive Board in the Public Relations position</li></ul>	May 2016 - Present	
	3D Printing Enthusiast		
	2017 Freshman Move-in Volunteer		
	BrickHack 3 Hacker	Feb 11 and 12 2017	