

# Connor F. Henley

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<https://connorhenley.engineer>

**OBJECTIVE:** To obtain a co-op in the Computer Engineering field for summer 2020 (May 18th to August 21st), which will allow me to gain more experience and apply topics learned in class.

**EDUCATION:** **Rochester Institute of Technology** Rochester, NY  
Master of Science in Computer Engineering Expected May 2021  
Data & Communication Networks Digital Integrated Circuit Design  
Bachelor of Science in Computer Engineering Expected May 2021  
Minor in Computer Science, Immersion in ASL and Deaf Cultural Studies GPA: 3.61  
Applied Programming Digital Systems Design I & II  
Computer Organization & Architecture Interface & Digital Electronics  
Digital Signal Processing Operating Systems

**SKILLS:** **Software:** Altera Quartus, Cura, Git, Keil uVision, Linux, Microsoft TFS, PSPICE, Visual Studio  
**Programming Languages:** C, C#, Java, LabVIEW, LaTeX, Matlab, Python 3, VHDL  
**Hardware:** 3D Printer, Multi-meter, Oscilloscope, Signal Generator, Soldering

**PROJECTS AND LABS:** Flour Programming Language  
• Designed and implemented (the lexer, tokenizer and preprocessor are functional) the top-half of a compiler for a C-with-classes programming language, which will generate LLVM IR  
NXP Cup for Interface & Digital Electronics  
• Wrote software to autonomously drive a model car around a track as fast as possible  
• Interfaced with various sensors and used different control theory methodologies  
RIT FIRST ImagineBots  
• Led a project to redesign our table-top robots, which are driven by attendees of ImagineRIT  
• Collaborated with other students to design the architecture, write firmware and application software, as well as design some of the circuitry used in the control system

**EXPERIENCE:** Computer Engineering Firmware Co-op Aug 2018 - Dec 2018, May 2019 - Aug 2019  
Diebold Nixdorf, North Canton OH  
• Maintained and improved a firmware debugging tool which was used by team members daily  
• Wrote automated firmware tests in C# and participated in Agile software development  
Grader for Department of Computer Science  
Rochester Institute of Technology, Rochester NY  
• Graded C programs of students in a Linux environment Aug 2017 - May 2018  
• Graded Java projects using IntelliJ and Java 12 Sept 2019 - Present  
• Collaborated with other graders and the professor to ensure fair grading of all students

**AWARDS:**  
• A+ and Network Pro Certified  
• Chairman's Award and Dean's List Nominee from FRC Team 1699  
• Dean's List from Kate Gleason College of Engineering, Spring 2017 through Spring 2019

**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 various local FIRST robotics teams (FRC Team 3838 and local FLL teams), assisting with programming, electronics, team building, and game analysis  
• Elected for the Club Administration as the President May 2019 - Present

3D Printing Enthusiast  
Amateur Radio Technician