Connor F. Henley

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 µVision, 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 implementing (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 circuity 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