**Matthew** Cloutier

(978) - 760 – 6444

mrcloutier@wpi.edu

**Summary**

Electrical and Computer Engineering student with skills in problem solving, leadership, and communication. Searching for experience in a field related to Electrical and Computer Engineering.

**Education**

Worcester Polytechnic Institute (August 2022 – Ongoing) – Major: Electrical and Computer Engineering

* Relevant Courses: Digital Circuit Design, Advanced Digital Circuit Design, Embedded Computing, Real-Time Embedded Systems, Intro to ECE, Engineering with Sensors, Circuits, and Systems, Microelectronics One, Systems Programming, Human Computer Interaction
* Projects
  + Created a web server to monitor and adjust an embedded radio device using Mongoose WS. I also created the backend functions to support it as well.
  + Created tools in Microsoft Visual Studio to change settings on both cellular and radio devices.
* Clubs and Organizations
  + WPI Cycling Club
    - President and Gear Manager
  + Alpha Chi Rho Fraternity
    - Treasurer’s Assistant
* Current GPA of 3.57 – Deans List for Two Semesters

**Experience**

SignalFire Wireless Telemetry – Engineering Intern (May 2024 – August 2024)

* Created and integrated a web server using Mongoose WS to interact with a radio communications device to eliminate locally interacting with the device.
* Assisted in the creation of a new variant of a cellular communications device.
* Utilized Microsoft Visual Studio to add new settings to an existing tool to locally interact with devices. These changes have been released to the public in the *SignalFire Ranger Toolkit*.
* Updated C code to be efficient and to remedy bugs within radio and cellular devices.
* Worked with network settings and learned the intricacies of network communication.
* Instructed on how git revision control and used it daily.

Landry’s Bicycles – Sales Associate (March 2021 – August 2024)

* Trained in hospitality through a program developed by Dan Mann of the Mann Group.
* Responsible for guiding customers to the product that best suited their needs. Each customer and situation were different and required a unique solution.
* Developed communication and people skills that brought me to be a top salesperson in 2023.
* Sold $130,000 of products from May 2023 to August 2023.

**Skills**

Verilog Microsoft Visual Studio Embedded Devices

MATLAB C / Java Revision Control