**Andy Lew**

55 Oak Mills Crossing, West Henrietta, NY 14586

**Phone:** (585) 727-5359 || **Email:** [axl3738@g.rit.edu](mailto:axl3738@g.rit.edu)

**Summary**

**A Computer Engineering Major seeking a co-op opportunity with availability from May 2016 to December 2016.** Consistently finishes assigned tasks in a timely matter with a strong work ethic. Trained and well-versed in multiple programming languages.

**Education**

**Rochester Institute of Technology, Rochester, NY**

Bachelor of Science in Computer Engineering (Expected May 2018)

**Related Coursework**

* Digital System Design I and II
* Computer Science I & II
* Engineering Computing I and II
* Engineering Design Lab
* Applied Programming
* Intro to Software Engineering
* Electronics I with Lab
* Computer Organization
* Circuit Analysis I and II

**Skills**

**Programming Languages:** C, Java, Python, VHDL, Verilog

**Operating Systems:** Linux, Windows

**Software:** Arduino in C, IntelliJ, Matlab, LabVIEW, Modelsim, OrCAD Capture CIS, PSpice, Xilinx

**Embedded Systems:** Arduino Uno, DragonBoard with C, Spartan 6 FPGA

**Projects**

**Assembly Language and Embedded Microsystems Lab:**

* C Programing for the DragonBoard 12+ microcontroller, which had an array of embedded electronic components such as heat sensors, 8 LEDs, timers, SPI, I2C, motor functionality, 7 segment displays, and pushbuttons
* Programmed the Freescale Coretex M0+ microcontroller in C and assembly. Interrupts, timers, and data structures were implemented to complete this project.

**Circuit Analysis II Final Project:**

* Designed, simulated, and measured cut off frequencies for RL, Active, and High-Pass Butterworth filters. Compared differences between the outputs.

**HealthNet Website Design:**

* Working on a five-student team to develop a web application using the Django framework that helped hospitals manage employees, sign up patients, make appointments and keep track of health related data more simply and resourcefully. Programming languages include: Python, Django, HTML, CSS, and SQL.

**Interests**

* Lifting weights, music, running