Victoria Weaver

vweaver2013@gmail.com • (313) 207 - 3039

Objective

To obtain a cooperative education position or internship in the field of Computer Engineering for the Summer/Fall of 2016.

Education

Rochester Institute of Technology — Fall 2013 - Present
Major/Minor: Computer Engineering/Mathematics
Expected Graduation: December 2017
GPA: 3.30
Relevant Courses:

- Advanced Linear Algebra
- Applied Programming
- Assembly Language with Lab
- Circuits I with Lab
- Circuits II
- Codes and Ciphers
- Computer Organization
- Data and Communication Networks
- Digital Signal Processing
- Digital Systems Design I and II with Labs
- Electronics I with Lab
- Interface and Digital Electronics with Lab

Experience

Parsons Government Services- Centreville,VA — June 2015 - August 2015
Personal Computer Support Tech Intern — http://parsons.com

Worked on Java backend development in an Eclipse environment with a focus on fixing existing issues in a networking security application. Collaborated on the documentation of the installation of a service for the project on a clean virtual machine running Ubuntu. Tested and verified different components of the application and submitted defect tickets through JIRA. Collaborated in code reviews using Review Board.

Rochester Institute of Technology- Rochester, NY — August 2014 - December 2014
Student Lab Instructor — http://rit.edu

Lab instructor, individual tutor, and grader of assignments for students enrolled in the introductory computer science course sequence.

Rochester Institute of Technology- Rochester, NY — June 2014 - August 2014
Student Developer — http://rit.edu

Worked on the development of a keyboard and screen reader compatible "drag and drop" programming environment based off of the Massachussetts Institute of Technology's "Scratch" program. Aided in the development of Inclusive Exploring Computer Science curriculum for visually impaired students.

Technical Skills

Software: VHDL, C, LaTeX, Java, Python, Xilinx, ModelSim, Altera Quartus II, Assembly (ARM)
Hardware: Soldering, Power Supplies, Multimeter, Oscilloscope

Personal Projects

http://github.com/VictoriaWeaver

Infrared Proximity Sensor- IR LEDs are used for proximity sensing. The proximity of an object is displayed on a scrolling 7-segment display and indicated with auditory feedback.

LED Table- LEDs are connected in a grid with cover of diffused Plexiglass, which is connected to Arduino Uno board and programmed to make various patterns and animations.

Encryption Algorithm Speeds- RSA and a symmetric key algorithm are implemented in Java and the runtime speeds are used to compare the algorithms.

Interests and Activities

CSH (Computer Science House) — http://csh.rit.edu

- Executive Board Evaluations Director
- Charity Project Advisor

Broomball (Intramural)- Team Captain