Victoria Weaver

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

Objective

To obtain a cooperative education position or internship in the field of Computer Engineering or Computer Science for the summer of 2015.

Education

Rochester Institute of Technology   Fall 2013 - Present
Major/Minor: Computer Engineering/Mathematics
Expected Graduation: May 2017
GPA: 3.29

Experience

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

   Includes work as lab instructor, a tutor, and a 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 high school computer science curriculum focused on accessibility to visually impaired students (Inclusive Exploring Computer Science or IECS). The project focused heavily 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.

Technical Skills

Software: Java, Python, VHDL, LaTeX, Altera Quartus II and ModelSim, ActionScript 3.0, LabVIEW
Hardware: Logic Design (Digital Circuits), Soldering

Personal Projects   http://github.com/VictoriaWeaver

Stream Cipher (in progress)

   An encryption and decryption unit implemented in digital hardware with an Arduino Uno board. Plaintext that is input into the arduino will be encrypted while ciphertext will be decrypted. The arduino takes user input and performs an "exclusive or" or "XOR" operation on each bit using 8-bit shift registers. The "XOR" operation will rely on a private key that is to be determined.

LED Table

   A table with LEDs connected in a grid and a cover of diffused Plexiglass. The LEDs are connected to an Arduino Uno board and programmed to make a variety of patterns and scroll by row or by column.

Interests and Activities

Broomball (Intramural)   Fall 2013 - Present
   - A sport similar to hockey, played on ice without skates.
   - Team Captain

CSH (Computer Science House)   http://csh.rit.edu
- Freshmen Charity Project Vice President (2013)- "game for charity: water"
  - A night where people could come and play many of their favorite modern and retro games;
  - Raised $900+ to donate to charity: water.