Victoria Weaver

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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
Relevant Courses: Circuits I, Assembly (ARM), Digital Systems Design I, Computer Science II

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). 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
Hardware: Soldering, Logic Design (Digital Circuits)

Personal Projects   http://github.com/VictoriaWeaver

Stream Cipher (in progress)
- Encryption and decryption unit implemented in digital hardware with an Arduino Uno board.
- Symmetric key algorithm (key generation TBD).
- "XOR"-based operation performed on input.

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

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.