Victoria Weaver

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Objective

To obtain a coop or internship position in the field of Computer Engineering for the Summer of 2017.

Work Experience

Critical Link LLC - Syracuse, NY — Summer-Fall 2016
Engineering Intern — http://criticallink.com/
Aided in the research for application of Hall Effect sensors for proximity sensing. Research includes possible concerns of the application, and design, implementation, and analysis of test circuits.

Aided in the development of the Android software for a bacteria-scanning device. Android Studio is used to develop the application in Java. Main focus is on the user interface of the application.

Parsons Government Services - Centreville, VA — Summer 2015
Personal Computer Support Tech Intern — http://parsons.com/
Worked on Java back end 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 — Fall 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.

Education

Rochester Institute of Technology - Rochester, NY — August 2013 - Present
Major: Computer Engineering, Minor: Mathematics — GPA: 3.337
Graduation: December 2017

Technical Skills & Certifications

Software VHDL, LaTeX, Java, C, ARM and MIPS Assembly, Python
Hardware Soldering, Power Supplies, Multimeters, Oscilloscopes
Tools Git, Xilinx, ModelSim, Android Studio, PSpice, Altera Quartus II
Certifications Electrostatic Discharge (ESD) Certification, 2016

Personal Projects

http://github.com/VictoriaWeaver/

MIPS-VHDL: Implemented a portion of the MIPS assembly instruction set architecture in VHDL.

Infrared Proximity Sensor: Employed the use of infrared LEDs for proximity sensing in conjunction with seven segment displays and a buzzer for visual and auditory feedback.

LED Table: Constructed a programmable matrix of LEDs in a custom wooden case with a diffused Plexiglas cover to make various patterns and animations.

Encryption Algorithm Speeds: Implemented RSA and a symmetric key algorithm in Java to compare the execution time of the algorithms.

Interests & Activities

RIT Resident Advisor: Responsible for community development within the assigned group of residents as well as serving as an intial source of support for residents in aspects ranging from roommate conflict resolution to lending a friendly ear.

WE@RIT Open House Leadership Team: Part of a team of five of female Computer Engineering students, responsibilities include creating and implementing several activities for an Open House event targeting young women (grades 6-9) to gain hands on experience in engineering.

Computer Science House (CSH) Member: A Special Interest House at RIT that provides a unique living and learning environment with access to facilities and other resources to promote hands-on learning while still maintaining a social atmosphere.

CSH Director of Evaluations (Spring 2016): Responsible for membership evaluations, requirements, and recruitment as well as serving as a liaison between CSH and RIT Residence Life.