Susan K. Lunn

Contact Information

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Objective

Seeking 4 month co-op employment starting August 2015 until January 2016.

Education

Rochester Institute of Technology - Rochester, NY — August 2013 - Present
Major: B.S. Computer Science
Expected Graduation: May 2018

Technical Skills & Certifications

Languages: Python, C, Haskell, Standard ML, Java, Javascript, R
Operating Systems: RHEL 6, Arch, Solaris, Fedora, CoreOS
Tools: Git, Make, LaTeX, Docker, BASH

Personal Projects

Aphrodite — February 2015

`https://github.com/emollient/Aphrodite`

A **Haskell** web app using the **Scotty framework** and **Yesod's Template Haskell** that finds all the local Planned Parenthoods within an address/GPS location, and routes the user there via public transportation. It is aimed at low-income women without access to personal transportation.

Git by a Truck — September 2014

`https://github.com/ryansb/gitbyatruck`

It is a replacement for the tool known as "git by a bus" which scans through a repository and checks which developers commited to which file. "Git by a Truck" answers the question about a **repository** "if 20% of the developer team were to be hit by a bus, would the project survive?" The project is written using the **Pyramid framework**, a python web framework. Using **libgit for C bindings**, and **stored procedures** that are triggered on insert, we add information about a repository and process it. The front-end rest points are currently being written by me, as well as pretty **D3 javascript graphs**.

Experience

LinkedIn — June 2015 to Present

Systems Engineer Intern — `https://www.linkedin.com/`

Worked to make logs from **CF Engine** humanly readible. Built thousands of servers and helped **automate** the process which enabled them to be built more effectively. Helped LinkedIn finzalize which **container solution** to continue on with.

Golisano College of Computing and Informational Sciences — January 2015 to May 2015

Research Assistant — `http://www.mlton.org/`

Developed a micro-benchmarker that produced statistics and graphs for provided executables and their corresponding arguments. Written with a **python script** with output piped into a graph generating **R script**, it produced box-and-whisker plots as well as outputting ANOVA and T-tests for the supplied executables.

Media Arts Games Interaction and Creativity Center at RIT — August 2014 to January 2015

Back-end Web Developer — `http://magic.rit.edu/main/index.html`

Worked on writing a web application that uses **ArchivesSpace** - a standard for museum websites, to display data about toy makers.

Earth Moves — April 2014 to August 2014

Fullstack Web Developer

Worked on several applications per client request. My two main projects were building a **web scraper** to pull thousands of eye glass frames and aggregate them, from several websites, this was written using the **Python library Scrapy**and **Bootstrap CSS** to display data. Then I built a **web application** for doctor's and hospitals to manage their operation trays, which was written in Python using the **Pyramid Pylons framework** and **Bootstrap CSS framework**.

Extracurricular Clubs & Activities	CSH (Computer Science House) - Full Active member	http://www.csh.rit.edu/
	FOSSBox (Free Open Source Software Box) - Active member	http://magic.rit.edu/foss/
	US FIRST Robotics Team 3397 - Lead programmer	http://www.usfirst.org/