

# Susan K. Lunn

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CONTACT INFORMATION	Rochester Institute of Technology PO Box 92423 Rochester, NY 14692	(802)-309-4493 slunn@csh.rit.edu github.com/emollient
OBJECTIVE	Seeking 6 month co-op employment starting May 2015 until December 2015.	
EDUCATION	<b>Rochester Institute of Technology</b> - Rochester, NY • Major: B.S./M.S. Computer Science • Expected Graduation: May 2018	August 2013 - Present
TECHNICAL SKILLS & CERTIFICATIONS	<b>Languages:</b> • Python • C • Bash • Java <b>Exposed Languages:</b> • Julia • Haskell • Go • Javascript <b>Operating Systems:</b> • Linux • Mac OS X <b>Tools:</b> • Git • Make • L <sup>A</sup> T <sub>E</sub> X	
CURRENT PERSONAL PROJECTS	<b>Deploying Docker</b> - November 2014  Deployed a linux container platform that allows the automation of software applications on a local Computer Science House machine known as Hactar. Docker builds on top of a few different linux container technologies, and we used it as a test platform for in-house written applications.  <b>Algorithmically</b> - November 2014  Implements several different common algorithms and data structures in popular as well as new, cutting edge programming languages. Then running the unix time command and some nifty bash, it records the time each algorithm takes to run and stores the value. The values are then graphified and published online, using D3 javascript to graphify them.  <b>MyShell</b> - December 2014  Wrote a basic unix shell in C that implements piping, standard I/O redirection and all commands found within the PATH variable as well as a set of its own internal commands.  <b>Git by a Truck</b> - September 2014 <a href="https://github.com/ryansb/gitbyatruck">https://github.com/ryansb/gitbyatruck</a>  It is a replacement for the tool known as "git by a bus" which scans through a repository and checks which developers committed 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	<b>Earth Moves</b> - April 2014 to August 2014 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.  <b>Magic@Rochester Institute of Technology</b> - August 2014 to Present Java Back-end Web Developer <a href="http://magic.rit.edu/main/index.html">http://magic.rit.edu/main/index.html</a>  Working on writing a web application that uses ArchivesSpace - a standard for museum websites, to display data about toy makers. It is meant to be displayed in a children's museum soon.	
EXTRACURRICULAR CLUBS & ACTIVITIES	FOSSBox(Free Open Source Software Box) - Active member CSH (Computer Science House) - Full Active member US FIRST Robotics Team 3397 - Lead programmer	<a href="http://magic.rit.edu/foss/">http://magic.rit.edu/foss/</a> <a href="http://www.csh.rit.edu/">http://www.csh.rit.edu/</a> <a href="http://www.usfirst.org/">http://www.usfirst.org/</a>