
James Reed Swiernik

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Objective

Interested in a single or double block Co-op in 2015 working as a systems administrator with a focus in tools and automation.

Projects

Templog – github.com/rswiernik/temp-log

Templog is a Perl application that works to aggregate temperature between different machines. Templog uses lm-sensors to obtain information about the current temperature and relay that back to the master node. The master node keeps a running log of all the slave nodes' states, allowing any other application to get up to date or past information about a node from the log. Future plans for this project include a more ambiguous standard for information exchange and IPMI integration.

Camera Shutter/Time Lapse Controller

Using a Teensy++ 2.0, small LCD display and a simple circuit, I created a shutter and time-lapse controller able to interface with Canon DSLR cameras. This controller used a built in menu and control system that was created for this project entirely in Arduino style C.

Work Experience

Residential Computing Consultant - Rochester Institute of Technology

Spring 2013 - Present

As an ITS Technician, I am responsible for troubleshooting software, networking, and hardware issues for personal and university-owned computers. As a tier 3 support representative responsibilities include advanced Windows and Mac OSX troubleshooting, hardware troubleshooting, network troubleshooting in a physical and software medium, as well as frequent customer service interaction.

Tech Management Analyst – Information and Technology Services, RIT

Summer, 2014

Worked to develop a new back and front end to the internal ticketing system, redesigning the database and developing processes to help fit the current ticketing structure while leaving flexibility for the future.

Information Security Intern – iSIGHT Partners

Summer, 2013

Worked with the Threatspace team to develop new puzzles for use in the Threatspace environment and wrote and integrated quality assurance tests using Selenium and Python.

Target Development Intern – iSIGHT Partners

Summer, 2012

Worked with Threatspace team doing target development for the Threatspace environment, working mostly with Python and C#. This project also included hardware work, learning and deploying Arduino with Wi-Fi for remote uses. Also worked doing graphic design work for the team. Other responsibilities included maintaining a clean server room and workspace.

Education

Rochester Institute of Technology

2012 - 2016 (Expected)

Bachelor of Science in Applied Networking and Systems Administration

Relevant classwork includes Mechanics of Programming, Scripting 1 (Perl and Bash), Configuration Management (Perl), Programming in C++, Discrete Mathematics, Database Structure and Data Modeling, Intro to Networking, Systems Administration 1, and Routing and Switching.

Skills

- Knowledge of Active Directory and Windows Server
 - Knowledge of Linux Administration and use of common command line tools
 - Programming and problem solving in Perl, C/C++, and Python
 - Experience with assembling server hardware, including racking and cable management
 - Knowledge of Cisco wired/wireless networking and upkeep
 - Extensive knowledge of common hardware and configurations for most desktop and laptop deployments
 - Interest in packaging for Linux (worked with Fedora Packaging)
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