Spencer O. Krum

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Objective

A system administration internship, with emphasis on extending my skills with puppet and gaining experience with real enterprise systems/network administration and devops.

Core Skills

Verbal communication, Enthusiasm, & Energy

Linux/Unix-fu

Puppet-fu, Python-fu, shell-fu

Sysadmin/Puppet hands on production experience

Education

B.S., Physics

Portland State University, Portland, OR

Emphasis on Computer Science

Expected graduation: Fall 2013

Relevant Experience

TheCAT

- Oct 2010 - Present
- Worked as a part of the Unix/Linux team administering servers, services, and networking
- Gained experience with and exposure to: NFS, Autofs, Samba, iSCSI, KVM, libvirt, Xen, LVM, ZFS, DHCP, PXE/Syslinux, DNS, SunRay Thinclients/Server, LDAP: OpenDS, OpenLDAP, sunONE Directory server, Apache, Linux, FreeBSD, Solaris, Out-of-band management interfaces, VNC, Tomcat, Amanda Network Backup, serial based managment, Zenoss, OpenNMS, IRC server administration, git on the server: gitosis and gitolite, exotic *nixes: The Hurd, Nextenta, OpenSolaris
- Developed team-based skills and experience: IRC, git, tickets, self-documenting on wiki, procmail
- Cultivated important meta skills: how to work on something completely new to me, how to maintain a service that was setup by someone who has left the institution, how to build utility scripts as I go
- **Relevant Because:** The CAT gave me first hand experience with manual and automated system administration.

Lab Experience

- Aug 2010 - Present
- Worked as a student researcher in a Physics lab doing carbon nanotube simulations.
- Sole programmer, working in python, developing a nanotube creation algorithm worthy of publication.
- Learned how to ask my friends, colleagues, even strangers for help and advice, especially when debugging and choosing algorithms. No one need debug alone.
- **Relevant Because:** Worked alone on long term coding project in a dynamic programing language.