W. Cannon Matthews III

cannon@cannonmatthews.com • 337.962.0644

842 E. 53rd St Unit 1S • Chicago, IL 60615

Relevant Professional Experience

University of Chicago Computer Science Instructional Labratories (CSIL)   *February 2013 - present*
(`http://csil.cs.uhicago.edu`)

- Administrate a lab of 52 OSX and 40 Linux workstations and additional servers on an ongoing basis

- Overhauled migration from OSX based servers to virtualized Linux servers, including redevelopment and addition of services provided to lab users.

- In charge of system monitoring and statistical collection of all the CSIL machines, using custom built solutions as well as off the shelf tools including: Nagios, Cacti, Rsyslog and others.

- Led a significatn expansion and restructuring of the internal documentation of CSIL.

- Provide helpdesk and tutoring support for students and other users of the lab.

Louisiana Immersive Technologies Enterprise, Lafayette, LA   *June 2009 - September 2012*
(*LITE is a 3-D visualization resource center focused on economic development in Louisiana:* `http://lite3d.com`)

- Designed, implemented and maintained a database-backed web application to track employee hours that was used in a production environment. Attained an extensive knowledge of Ruby and the Ruby on Rails framework, and relational databases, particularly MySQL.

- Provided Basic Linux Systems Administration and Help Desk Support as well as installation, configuration and management of in-house and third-party software and hardware, including virtualized infrastructure, using mainly Gentoo, Fedora and CentOS Linux.

Technical Skills

- Extensive experience with Linux administration in both production and non-production environments, across several distrobutions (CentOS/RHEL, Fedora, Debian, Gentoo, et. al.).

- Skilled with a variety of administrative tasks, subsytems and utilities including LDAP, Apache, MySQL, Rsyslog, Fail2ban, SNMP, NFS, Apt, Debconf and many others.

- Working knowledge of the Ansible configuration management system, and a entry level experience with Puppet.

- Basic experience with and understanding of virtual machines and hypervisors, especially with VMware and Xen.

- Extensive experience with various programming and scripting languages including C/C++, Ruby, Python. Bash, SQL and more.

- Experience with markup languages including HTML, XML, JSON, YAML and LaTeX.

Education

University of Chicago, Chicago, IL   *September 2012 - present*

- Dual S.B. in Computer Science and Mathematics, expected June 2016

- Completed coursework in CS theory and systems classes, including: Discrete Math, Theory of Algorithms and Computer Architecture among others.

- 3.81 GPA

www.CannonMatthews.com • LinkedIn.com/in/cannonmatthews
GitHub.com/loosecannon93 • StackOverflow.com/users/427447/loosecannon

- References Available upon Request -