

W. Cannon Matthews III

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Work Experience

UChicago Computer Science Instructional Laboratories

February 2013 - present

- Administrator and maintain a lab of 52 OSX and 40 Linux workstations plus supporting servers
- In charge of system monitoring and statistical collection, using tools including Nagios, Cacti and custom built solutions.
- 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 gained experience with 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.
- Worked individually and as part of a team in software development and content creation workflows. Experience using SCRUM/Agile Development practices in a project release cycle. Developed and released software in a production environment, including bug/issue tracking and unit testing workflows, and writing API and end user documentation.

Relevant Skills

- Extensive experience with Linux usage and administration in both production and non-production environments, across several distributions (CentOS/RHEL, Fedora, Debian, Gentoo, et al)
- Entry level knowledge and basic experience with puppet
- Basic experience with and understanding of Virtual Machines and hypervisors, particularly with VMWare and Xen.
- Extensive experience with various programming and scripting languages including C/C++, Ruby, Python. Bash, and more
- Several years experience using command line interfaces and shell scripting.
- Experience with markup languages including HTML/CSS and \LaTeX

Education

University of Chicago, Chicago, IL

September 2012 - present

- S.B. in Computer Science and S.B. in Math, expected June 2016
- Coursework Includes Major introductory Sequences: CMSC 16100,16200,15400: Honors Intro To Computer Science 1 & 2, Intro to Systems, and upper level theory and systems classes: 27100,27200,22200 Discrete Math, Theory of Algorithms and Computer Architecture.
- 3.80 GPA

Lafayette High School, Lafayette, LA

August 2008 - May 2012

- 4.0 GPA in the Gifted Program Curriculum