W. Cannon Matthews III

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Relevant Professional Experience

University of Chicago Computer Science Instructional Laboratories (CSIL) *February 2013–Present*
(http://csil.cs.uhicago.edu)

- Oversee a lab of 52 OSX and 40 Linux workstations and additional servers on an ongoing basis.
- Led the overhaul of CSIL's server platform in a migration from Apple OSX systems to virtualized Linux servers, including structural redevelopment to facilitate the addition of services provided to lab users *(Summer 2013)*.
- Currently in charge of system monitoring and collection of usage statistics on the CSIL machines, using custom-built solutions as well as off-the-shelf tools including Nagios, Cacti, Rsyslog and others.
- Led a significant expansion and restructuring of the CSIL internal documentation.
- Provide Helpdesk and tutoring support for students and other users of the lab.

Louisiana Immersive Technologies Enterprise, Lafayette, LA (LITE) *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 that was used in a production environment to track employee hours. Developed an extensive knowledge of Ruby and the Ruby on Rails framework, as well as relational databases, particularly MySQL.
- Provided Basic Linux Systems Administration and Helpdesk Support as well as installation, configuration and management of in-house and third-party software and hardware, including virtualized infrastructure, using CentOS, Fedora, and Gentoo Linux.

Technical Skills

- Skilled in a variety of areas covering both software development and systems administration.
- Extensive experience with Linux administration in both production and non-production environments, across several distributions, including a working knowledge of the Ansible configuration management system.
- Thorough knowledge and experience with virtual machines and hypervisors, using VMware, KVM, and Xen.
- Familiarity with programming and software development concepts and paradigms including, but not limited to, object-oriented and functional programming, test driven development, and agile development.
- Proficient with multiple programming and scripting languages including C, C++, Ruby, Python, Bash & SQL.
- Competent with markup languages such as HTML, XML, JSON, YAML and LaTeX.

Education and Honors

University of Chicago, Chicago, IL *September 2012–Present*

- Dual S.B. in Computer Science and Mathematics, expected June 2016.
- Completed coursework in the Computer Science and Mathematics departments including Discrete Math, Theory of Algorithms, Complexity Theory, Computer Architecture and Real Analysis.
- 3.775 overall GPA. Dean's List: 2012-2013 and 2013-2014 academic years.

Illinois Technology Association – 2014 Tech Challenge Finalist *October 2014*
Lafayette High School, Lafayette, LA – 4.0 GPA Gifted Curriculum *Graduated May 2012*

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GitHub.com/loosecannon93 • StackOverflow.com/users/427447/loosecannon

– References Available Upon Request –