

# Craig Cabrey

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**Objective** Aspiring and driven Software Engineering student with several years of academic, community, and industry experience seeking a full time position starting in the Fall of 2016.

**Education** *Bachelor of Science & Master of Science, Software Engineering* Expected Summer 2016  
**Rochester Institute of Technology** Rochester, NY

Skills	Proficient	Familiar	Foundational
<b>Languages</b>	Python, PHP, C#, Java, SQL	C, Ruby, HTML5, CSS3, JavaScript, bash	Vala, Assembly, Promela, Rust
<b>Technologies</b>	AngularJS, nodejs, express, Laravel, ASP.NET MVC, Bootstrap	LoopBack, LXC, Docker, Django, SharePoint	GTK, L <sup>A</sup> T <sub>E</sub> X
<b>Platforms</b>	RHEL, Ubuntu, OS X, Windows	FreeBSD, Android	OpenBSD, Arduino, iOS
<b>Tools</b>	git, svn, cvs, vim, tmux, UML	autotools, gdb, valgrind, Jenkins, JetBrains IDEs	Xcode, Alloy, mercurial

**Experience** *Production Engineer Intern* June 2015 - August 2015  
**Facebook, Inc.**, Menlo Park, CA  
Developed a suite of open source utilities for the GlusterFS distributed file system. Utilities reimplemented standard core utilities specifically for the GlusterFS API. Facilitated the inception of the project, the implementation, and subsequent open source release. Source of the project can be found at [github.com/gluster/glusterfs-coreutils](https://github.com/gluster/glusterfs-coreutils). (C, autotools, libgfsapi)

*Software Engineer Intern* May 2014 - August 2014  
**Datto, Inc.**, Norwalk, CT  
Built a process known as Hardware Independent Restore (HIR) using modern engineering practices such as dependency injection, package management, principle of least privilege, and in-depth testing. Created an internal repository of libraries used to build HIR for maximum code reuse across the entire development team. HIR is responsible for converting raw image-based backups into virtual machine images prepared for production use. (Ubuntu, PHP, PHPUnit, composer, GitHub, Jenkins)

*DevOps Engineer Intern* August 2013 - May 2014  
**Datto, Inc.**, Norwalk, CT  
Introduced automation at various levels of the development processes to improve product quality, development efficiency, and monitoring of production systems. Also designed and implemented replacements for legacy production systems to increase efficiency, security, and reliability of the systems. (Ubuntu, PHP, Python, bash, MariaDB, JIRA)

*Software Engineer Intern* May 2013 - August 2013  
**Vencore, Inc. (formerly The SI Organization)**, King of Prussia, PA  
Automated internal business process that previously required over 500 man hours a year to complete, saving the company thousands of dollars in operating costs. (C#, SharePoint, OpenXML SDK)  
Designed, implemented, and deployed internal security management applications responsible for managing employee foreign contacts as required by the Department of Defense for defense contractors. (C#, ASP.NET MVC, MSSQL)

*Software Engineer Intern* May 2012 - August 2012  
**Siemens Industry, Inc.**, Spring House, PA  
System, integration, and acceptance test execution and development for the Research and Development department. (IBM Rational ClearCase, PCS 7 OS, APACS OS)

**Projects**

- reaper: an open source research tool used to classify and score repositories which contain engineered software projects. The paper is currently pending review for acceptance at the International Conference on Software Engineering (ICSE). Technologies utilized include Python, MySQL, and the GitHub API.
- Rate My Co-op: an application built for RIT students to rate their experiences while on co-op. Technologies utilized include Python, Selenium, nodejs, LoopBack, and AngularJS.
- Self-hosted dynamic DNS: a combination of systems including a FreeBSD router, a BIND9 DNSSEC name server, and glue code that works together to ensure up to date DNS records for home VPN access.