

# Billy J. Rhoades

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📄 See Paper Copy

🌐 [brod.es](http://brod.es)  
📄 [github.com/brhoades](https://github.com/brhoades)

**Education** Computer Science B.S. Spring 2016 Missouri S&T

**Experience** **Cerner Corporation** Kansas City, MO  
Software Engineer June 2016 – Present

- Developed and maintained Patient Portal, a Django web portal
- Designed Gatling stress tests for a Rails framework
- Pageletized Rails, React, and Django webpages

**Missouri S&T Computer Science** Rolla, MO  
Grader January 2016 – May 2016

- Graded for Object Oriented Numerical Modeling, a graduate-level C++ course
- Sole point of contact for C++ questions

**Missouri S&T IT Desktop Infrastructure** May 2013 – June 2014  
Student Lead December 2014 – November 2015

- Moved all package creation to version control with Git
- Packaged and maintained Perl scripts for installing applications
- Trained students on programming procedures and other required tasks

**batee.com** Rolla, MO  
Software Development Consultant May 2015 – July 2015

Developed a closed-source program in C for testing Corvette instrument panels. It manually handled a serial display, adding features such as menu navigation, test feedback, and clean state transition. It ran on a PIC16F1789 with 28 KB of memory, 2 KB of RAM, a 160x128 display, and 4 buttons.

**Monsanto** St. Louis, MO  
Service Readiness and Optimization Co-op June 2014 – December 2014

- Developed a wrapper for performance testing internal sites with Selenium
- Collaborated with a hackathon team to make a web-based idea board

**Missouri S&T IT Help Desk** Rolla, MO  
Student Support Analyst February 2011 – June 2014

- Responsible for coordinating and scheduling appointments with customers
- Tasked with assisting staff and faculty remotely and in person

**Projects**

- 📄 **Grader:** Docker-based automated Grading of student assignments
- 📄 **Markovirc:** Markov chain IRC bot in Ruby which generates human-like text
- 📄 **Selenium Wrapper:** Python wrapper that simplifies headless website load testing
- KoRx:** Tremulous mod written in C with a team of 5 individuals

**Technical Skills**

- Languages:** Python, Ruby, JavaScript, C++, BASH
- Software:** Django, Rails, GNU Toolchain, Git, Subversion, Mercurial, MySQL, Apache, Nginx, PostgreSQL