# Shane Tully

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## Experience

**Karat, Inc.**                                                                 **Seattle, Washington**
**Software Engineer**                                                          **January 2014 - Present**

- Built core product and supporting infrastructure with Ruby on Rails.
- Scaled interviewing capacity by automating interview scheduling, recording, and post-processing.
- Formulated structured scoring framework for assessing interviews of software engineering candidates.
- Deployed and managed company infrastructure on AWS and multiple production Linux servers.

**Mozilla Corporation**                                                        **San Francisco, California**
**Software Engineering Intern**                                                **May 2013 - August 2013**

- Implemented contacts WebAPI in Firefox for Android.
- Created library for the Gecko engine to be used in third-party Android applications.
- Fixed various bugs in Firefox for Android.

**Pennsylvania State University Chemistry Department**              **University Park, Pennsylvania**
**Web Developer**                                                              **June 2011 - December 2013**

- Developed online course and learning platform for university chemistry courses with Drupal and PHP.
- Built web-based interactive atomic orbital visualizations with JavaScript and Java.
- Managed Git server for team developers.

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## Education

**Bachelor of Science, Computer Science**                                       December 2013
Pennsylvania State University, University Park, PA                            Cumulative GPA: 3.23/4.00

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## Activities & Projects

- Free and open source software contributor: https://github.com/shanet.
- Seven years Linux and server administration experience.
- Developed rocket telemetry system with embedded C++ on ARM architecture, Android, QT, and Ncurses control clients, and corresponding test suite.
- Volunteer as instructor for Girls Who Code teaching computer science fundamentals to middle school and high school girls in Bothell, WA.
- Manage Seattle GNU/Linux Conference's technical infrastructure for organizing conference data with OSEM in 2016.
- Developed AES encrypted, cross-platform chat application with Python, QT, and OpenSSL.
- Volunteered as webmaster and officer for the Penn State ACM student chapter, 2011 - 2013.
- Wrote API and server for networked, autonomous robot utilizing an iRobot Create and Microsoft Kinect.
- Built encrypted server and client for controlling ALSA on Linux desktops with C++, OpenSSL, and Android.

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## Certifications

- FAA certified private pilot.
- FCC licensed amateur radio operator.
- NAR certified level 1 high power rocketry.