

Shane Tully

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Education

B.S. in Computer Science

Pennsylvania State University, University Park, PA

Cumulative GPA: 3.23/4.00

Experience

Karat, Inc.

Software Engineer

Seattle, Washington

January 2014 - Present

- Built core product and supporting infrastructure with PHP and Ruby on Rails.
- Reduced overhead by automating interview scheduling, recording, and post-processing.
- Formulated structured scoring framework for assessing interviews of software engineering candidates.
- Managed company infrastructure on AWS.
- Maintained and updated multiple production Linux servers.

Mozilla Corporation

Software Engineering Intern

San Francisco, California

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

Web Developer

University Park, Pennsylvania

June 2011 - December 2013

- Developed online homework, syllabus, and eBook Drupal modules for university chemistry courses.
 - Built web-based interactive atomic orbital visualizations with JavaScript and Java.
 - Managed Git server for other team developers.
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Activities & Projects

- Open source contributor: <https://github.com/shanet>.
 - Seven years Linux and server administration experience.
 - Volunteered as webmaster and officer for the Penn State ACM student chapter for three years.
 - Developed AES encrypted, cross-platform chat application with Python, QT, and OpenSSL.
 - Wrote API and server for networked, autonomous robot utilizing an iRobot Create and Microsoft Kinect.
 - Built encrypted server and client for controlling volume and multimedia on Linux desktops with C++, OpenSSL, and Android.
 - Participated in PennApps Fall 2013 winning best mobile app with an Android application which uninstalled unwanted applications after a given time interval.
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Certifications

- FAA certified private pilot.
- FCC licensed amateur radio operator.