Derek Kniffin

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EMPLOYMENT

Database Administrator | *University of Colorado Boulder – OIT*   *Mar 2014 – Present*
- Manage MySQL, MSSQL, and Oracle database systems
- Standardize MySQL configurations across all managed systems
- Ensure recoverable backups are taken, stored, and cleaned up

Student Assistant I-IV | *University of Colorado Boulder – OIT*   *Feb 2010 – Mar 2014*
- Designed and developed web applications, including a web calendar
- Improved various web applications
- Designed and developed many scripts and programs
- Managed a large MySQL database and accompanying Java/tomcat application
- Implemented a Chef configuration management system for web systems
- Co-admin for an Atlassian Confluence wiki; created many documents & diagrams

Cycling Area Director | *BSA Camp Tuscarora*   *Jun 2009 – Aug 2009*
- Supervised 1-5 people
- Taught young scouts

EDUCATION

B.S. Degree in Computer Science | *University of Colorado Boulder*   *In Progress*

High School Diploma | *West Johnston High School*   *2008*
- Band member and section leader

ADDITIONAL PROJECTS AND AWARDS

Projects
- CU campus map powered by Leaflet & Mapbox, with Openstreetmap data (http://colorado.edu/map)
- PHP Openstreetmap plugin for Webtrees (open source genealogy) (http://git.io/8-mgKQ)
- Ruby on Rails genealogy web application – In progress (http://git.io/UkAh-g)
- NodeJS desktop music application – In progress (http://git.io/7pY_2Q)

Awards
- Eagle Scout (2008)

LANGUAGES AND TECHNOLOGIES

Technical
- **Languages:** Ruby, Javascript, jQuery, HTML, CSS, PHP, Perl, bash, XML, Java, Scala, WebGL, Powershell
- **Frameworks:** Ruby on Rails, NodeJS, Leaflet, Jekyll, ThreeJS, Chef
- **Operating Systems:** Linux/Unix, Windows, Android
- **Databases:** MySQL, MS SQL, PostgreSQL, Oracle, MongoDB
- **Other:** Git, Subversion, Openstreetmap, Eclipse

Non-technical
- Microsoft Office Suite (including Visio) , Atlassian Confluence, Adobe Suite, AutoCAD, Rhino/Grasshopper