

Madison J. Scott-Clary

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Overview

I reside in Loveland, Colorado and seek to expand my work experience in the field of computers and information technology, particularly in programming and web development. I excel in the fields of web design, database design, and software architecture, with an interest in server administration, computer networking, and hardware diagnosis and repair. My focus is on best practices and the DRY – Don't Repeat Yourself – concept, working with Agile/Lean methodologies. As a supporter of Free and Open Source Software, I am committed to producing the best results with some of the best tools out there, leveraging the technologies behind Linux and Unix, Apache and PostgreSQL, Python and Django, Flask, and Pyramid, Groovy and Grails, JavaScript with jQuery, YUI, and D3, Golang, and Java.

Work Experience

- Canonical, Ltd | Juju UI Team | *September 2012 – Present*
 - Worked with a team to develop and support the Juju Graphical User Interface, a single-page web app that talked with a cloud orchestration tool over a websocket - <https://demo.jujucharms.com/>
 - Supported the Juju GUI through several iterations, releasing each as a Juju charm for deployment in any cloud environment, from LXC to AWS.
 - Helped replace an aging web interface with the current iteration of jujucharms.com, a Pyramid application that serves as an appstore for cloud services.
 - Worked with Juju core and the charmstore, both Golang applications, to provide richer integration with the GUI.
- bConnected Software, Inc. | Quoting and Enrollment Web Development, Project Lead | *May 2011 to September 2012*
 - Designed and implemented a supplemental and life insurance quoting and enrollment portal to client's specifications in a short time frame
 - Worked with Grails web framework, jQuery/jQueryUI, and a RESTful back-end web service provider to build a rich web application experience
 - Worked with a team of engineers and interns, occasionally acting in a supervisory role to manage the project and work with feedback from the clients
- Colorado State University – Department of Psychology | Virtual Workforce Assessment Network / Web Development | *May 2010 to February 2011*
 - Continue development on existing web application, providing services connecting employers to potential employees based on psychological assessments
 - Respond to support requests from end users
 - Develop portions of the website as improvements to existing legacy software
- Colorado State University - Morgan Library | Library Technical Services / Research and Development | *May, 2007 to May 2011*
 - Support both public and staff machines from purchase to retirement, including software support, hardware support, image creation and deployment
 - Repurpose, brand, and implement open-source software on the server side, such as the Meeting Room Booking System and Big Blue Button
 - Designed a simple library catalog and check-out system for a short-notice branch reading-room
 - Shepherded and designed a library GIS application, including way-finding, call-number location, and remote computer management

Education

- Colorado State University: Bachelor of Music, Composition concentration

Skills

- Dynamic web design specializing in content management and organization
- Database design and administration, with experience in PostgreSQL and MySQL
- Framework implementations in Flask, Django, Pyramid, and Grails
- Custom desktop and web applications using Python, JavaScript, Java, C++, Golang, and Groovy
- Dynamic data manipulation and visualization using JavaScript libraries such as jQuery, YUI, D3, and Protovis
- Web mapping using GeoJSON, PostGIS, MapServer, OpenLayers, and QuantumGIS