

Jason Roebuck

Geographer

&& GIS Software Developer

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Personal Profile

I consider myself to be a lifelong student, researcher, and teacher.

My eventual career goal is to teach GIS, Geography, and Software Development at a Research University in the Western United States.

Work Experience

Senior GIS Programmer Analyst

Resource Data, Inc. - Boise, Idaho

August 2014 - Present

GIS Programmer Analyst

Resource Data, Inc. - Portland, Oregon

December 2012 - August 2014

Lead GIS Developer for [Alaska Gasline Development Corporation](#); developing and maintaining custom GIS web portal providing access to webmaps and metadata in Enterprise Geodatabase; directs infrastructure team in proper maintenance of GIS assets; provides recommendations to business; implements and follows industry standards for data maintenance and development workflows.

GIS Developer for [Idaho Transportation Department](#) Snow Plow Data Collection and Analysis project; Building a webapp using ESRI's Javascript API to display route to driver after a shift. Driver reviews map and submits timecard. Data is sent off for further analysis.

System administrator for local office. Maintains 20 workstations, 15 Windows Servers, and 18 NBX telephones with nearly 100% uptime. Provides recommendations for upgrades and manages any upgrade projects.

GIS Programmer Analyst

City of Auburn, Alabama

January 2012 - November 2012

Chiefly responsible for city's interactive mapping applications. During my time at the city, we deployed a new general-purpose, public-facing web [application](#).

Created a new data-driven enterprise mapping application for water department to better manage city's water quality data, replacing a legacy spreadsheet and manual mapping and sharing process.

GIS Coordinator

City of Alexander City, Alabama

April 2011 - February 2012

Responsible for city-wide GIS effort. Led campaign to reorganize City's Information Technology services. Instrumental in making key design decisions. Laid foundation for city's eventual adoption of enterprise GIS.

GIS Specialist

Brigham Young University

Harold B. Lee Library

March 2010 - April 2011

Designed and began implementation and testing on an ArcGIS Server deployment for campus library, including both web and database model. Worked directly with Geospatial Librarian to understand technological capabilities of GIS within the library environment.

Concepts & Technologies

C#.NET

Java

Ruby

Python/ArcPy

ArcGIS 9-10.2

ArcGIS Server 9-10.2

ArcSDE Geodatabase

SQL Server 08-12

Windows Server

WCF

WPF/XAML/Silverlight

HTML/JS/CSS

Cloud Hosting

Ubuntu

Mac OS X

XCode

Git & TFS

Education

Portland State University

Portland, Oregon

2014 -

PhD Earth, Environment, and Society

Geography and GIS Emphasis

Graduate work is currently on-hold after relocating to Idaho.

Brigham Young University

Provo City, Utah

April 2011

BS: Geography, Geographic Information Systems

Minor: Business Management

Relevant Courses:

The Geographic Approach
Global Environment
World Regional Geography
Cultural Geography I
Object-Oriented Programming
Map Use and Interpretation
Intro to GIS
Intro to Remote Sensing
Programming for Geographers I
Geostatistics I
US & Canada Geography
Geography of Climates
GIS Data Management
Cartographic Design
Remote Sensing I
Programming for Geographers II
Geostatistics II
Geography of Tourism
GIS Practicum (Programming III)