

Elijah Robison

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Summary Statement

I am an accomplished GIS professional (FOSS contributor and published author) with experience developing custom solutions to integrate spatial data with a variety of enterprise systems. Because I have engineered Internet mapping applications that leverage a number of open technologies, I am familiar with several non-standard APIs and adapt quickly to new systems. I have a demonstrated talent for automating workflows programmatically, and I particularly enjoy creating solutions that consume real-time data.

Career Highlights

- Six years experience applying GIS software and concepts to solve spatial problems
- Four years experience developing custom GIS integration solutions for the enterprise
- Responsible for the [-useDirForEachRow](#) option in `gdal_retile.py` (GDAL Python utility, available in 1.8+)
- Primary Author of [Learning Flex 4](#) (ISBN-13 978-0596805630)
- Active contributor at <http://gis.stackexchange.com> and blogger at <http://www.cartometric.com/blog>

GIS Analyst / Software Developer

August 2009—present

VillaGIS Inc., Hollister, MO

- Program customized ArcGIS tools and extensions (ArcObjects, C#.Net)
- Develop enterprise applications for county governments (Adobe Flex/AIR, C#.Net, MySQL)
- Create responsive WebGIS solutions for cadastral mapping (HyperGIS, Flex, C#.Net WebServices, MySQL)
- Coordinate with vendors and programmatically integrate with 3rd-party vendor systems
- Handle GIS data conversion from ESRI formats (geodatabase/shapefile) into MySQL and PostGIS
- Acting update and release-librarian for gAMA™, our flagship assessment and appraisal application

Cartography Instructor

January 2011—May 2011

North Arkansas College, Harrison, AR

- Taught original lectures covering [Cartography: Thematic Map Design](#) (Dent, Torguson, Hodler)
- Managed laboratory sessions demonstrating applied concepts and map creation using ESRI's ArcMap

Primary Author of [Learning Flex 4](#)

published November 2010

O'Reilly Media Inc., Sebastopol, CA

- Co-authored a 21-chapter print manuscript documenting Adobe Flex 4 programming
- Available online: <http://oreilly.com/catalog/9780596805647>

Graduate Assistant / Remote Sensing Lab

August 2007—August 2009

Missouri State University, Springfield, MO

- Developed workflow automation tools for Hydrologic research using ArcObjects and VBA
- Performed imagery classification for mixed projects (i.e. habitat mapping, land use change) including a pre-construction habitat-survey for a proposed wind farm, and mosaicking historic aerial imagery for a sediment deposition analysis of the Big River floodplain (Jefferson County, Missouri)
- Handled Remote Sensing lab TA duties including lab instruction and troubleshooting assistance for students

Software Competencies:

ArcGIS, Q-GIS, GDAL/OGR, ENVI, PostGIS, MySQL, GIMP, Photoshop, M.S. Office

Programming Technologies :

ArcObjects, C#.Net, VB.Net, Flex 3, Flex 4, Python, PHP, HyperGIS, Google Maps API

Education:

M.S. Geospatial Sciences

Missouri State University

graduated May, 2012

GPA 3.82

B.A. History / Mass Media

Missouri State University

graduated May, 2004

GPA 3.18