

Jesse Hopkins

GIS expert specializing in application development

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EXPERIENCE

St. Charles County Gov., St. Charles, MO – GIS Specialist

Nov 2013 - Present

Develop and configure JavaScript mapping applications for external and internal use. Administer the GIS department's ArcGIS Server machines. Develop, maintain and administer Python scripts to automate GIS processes and data updates. Analyze and edit geospatial data for decision support. Work with software vendors to facilitate GIS data and application integration. Create digital and hard copy maps upon request

Center for Applied Research and Environmental Systems (CARES), Columbia, MO – GIS Technician

Oct 2012 - Nov 2013

Analyzed demographic data from various health and government entities. Created Python scripts to automate GIS data updates and processes. Published map services to the web. Perform QA/QC procedures before and after publishing

MOREnet, Columbia, MO – GIS Technician

May 2012 - Oct 2012

Created digital and hard copy maps for customers. Analyzed and edited geospatial data for decision support. Facilitated GIS database design and development

EDUCATION

University of Missouri, Columbia, MO – Graduate Certificates in GIS & Geospatial Intelligence

Aug 2012 - May 2013

University of Missouri, Columbia, MO – Soil, Environmental and Atmospheric Science B.S.

Jan 2007 - Dec 2009

Member of Tau Kappa Epsilon Fraternity and Mizzou Storm Chase Team.
Minor in mathematics

PROGRAMMING & DEVELOPMENT

Python
HTML5
CSS
Bootstrap
Java
JavaScript
ArcGIS REST API
ArcGIS API for JavaScript
MySQL
Git

SOFT SKILLS

Adaptable
Low-Drama
Personable
Analytical
Self-Motivated
Problem solving

APPLICATIONS & HARD SKILLS

ArcMap
ArcGIS Server
ArcGIS Online
IntelliJ
Visual Studio Code
Customer Service & Support
ITIL
Project management
Open-source GIS

PROFESSIONAL DEVELOPMENT

LaunchCode 101

Launch Code St. Louis

Aug 2017 - Dec 2017

Full Stack Development Certificate (In Progress)

FreeCodeCamp

Jan 2017 - Present

Open source coding community that offers front and back-end development training

JavaScript Training

UMSL Continuing Education Training Center

Dec 2014 - Jan 2015

Beginner, intermediate and Advanced JavaScript courses

Project Management Training

Saint Louis University – Center for Workforce and Organizational Development

Oct 2015 - Feb 2016

NOTABLE PROJECTS

GIS Cloud Migration – St. Charles County Gov.

Collaborated with GIS team members to migrate existing GIS architecture to the Microsoft Azure cloud

Flex to Javascript Conversion – St. Charles County Gov.

Converted existing Flex mapping applications to a JavaScript/HTML5 based platform using the ESRI JS API and other open source options