

Allison K. Smith

Cartographer • Developer • Information Visualization

allisonksmith.github.io

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Skills

GIS

ArcGIS Pro, ArcGIS Desktop, QGIS, Mapbox, GDAL/OGR, CartoCSS

Design

Adobe Illustrator, Adobe Photoshop, Adobe InDesign, HTML, CSS

Development

Python, Windows Command Line, JavaScript (libraries: D3, ArcGIS API for JS, Leaflet, JQuery, Google API), Java, Android Studio, SQL

Professional Experience

2014 to Present

GIS Specialist • GIS Technician • GIS Intern

Virginia Economic Development Partnership - Richmond, Virginia

Organization's primary cartographer. Created products to attract business and jobs to the Commonwealth of Virginia, telling the "Why Virginia?" story from many perspectives. Designed print cartography for a wide range of sizes and mediums - from small inset maps to large conference banners. Constructed web applications as needed. Produced python tools to automate repetitive processes. Maintained a vast suite of GIS data and an Open Data Portal. Promoted twice in three years.

Summer 2015

Geoscience Interpreter

Shenandoah National Park - Luray, Virginia

Researched, planned and facilitated interpretive programs for visitors to Shenandoah on a wide range of topics. Programs included: Junior Ranger, Guided Hikes, Short Lightening Talks, etc.

Education

2016 to 2018

Master's in Cartography and GIS (GIS Development Option)

University of Wisconsin - Madison - Richmond, Virginia

Completed and online 2-year Master's program while working full-time at VEDP
GPA: 4.0

2012 to 2015

Bachelor of Science - Geographic Science

James Madison University - Harrisonburg, Virginia

Concentrations in GIS and Environmental Conservation, Sustainability, & Development
Major GPA: 3.80

Major Projects

Spring 2018

Re-brand Mapping Content

Virginia Economic Development Partnership (VEDP)

Updated VEDP's suite of maps to comply with updated graphic standards. Took the lead role, working across divisions and with external designers to implement mapping brand standards for VEDP. Guided the GIS department to begin using ArcGIS Pro for all mapping. Created automation tools to produce full suites of maps to be used across various mediums.

Summer 2018

Internal How Virginia Compares Tool

VEDP & University of Wisconsin - Madison

Constructed a web application using D3.js to utilize VEDP's suite of U.S. economic data. The tool allows VEDP's internal staff to compare Virginia to competitor states in key economic drivers and download a VEDP graphic standard compliant visual for use in presentations and marketing material. Coordinated between UW-Madison and VEDP to use the project for school credit.

Summer 2018

Shenandoah National Park Visitor Guide

University of Wisconsin - Madison

Constructed an application using ArcGIS API for JS for visitors to view Shenandoah's vast bank of visitor resources and contribute data of their own. Collected data from Open Street Map and personal knowledge, created a database using ArcSDE on Microsoft SQL Server, published data to ArcGIS for Server.