Ryan Cooper

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EXPERIENCE

Georgetown-Scott County Planning Commission, Georgetown, KY— GIS Technician

APRIL 2014 - PRESENT

- Collaborate with various public departments and citizenry to create custom print and web mapping solutions.
- Update and maintain Scott County geodata including parcel boundaries, E911 addresses, zoning, and transportation.
- Provide data analysis and visualization support for planning staff for grant applications, county-wide Bike/Pedestrian plan, and 2016 Comprehensive Plan.
- Produce project templates, basemaps, and scripts to increase project efficiency.
- Manage the department's web and social media presence.

Kentucky Utility, Lexington, KY — *Asset Information Technician*

DECEMBER 2013 - APRIL 2014

- Mapped the installation and removal of electrical distribution services for the Lexington and Midway services areas.
- Field-checked existing services to for quality assurance.

EDUCATION

University of Kentucky, Lexington, KY — *MA, Geography*

AUGUST 2011 - MAY 2013

Thesis: "Re-Placing Sprawl: Mapping Place in an American Suburb"

Ball State University, Muncie, IN — *BA, Geography / German*

AUGUST 2005 - MAY 2009

COMMUNITY INVOLVEMENT

Leadership Scott County — *Leadership Development*

- Participated in monthly field trips with classmates to learn from various community leaders.
- Led information gathering and writing of the class project proposal.

Lexington Housing Studies — *Civic Activism*

- Provided data extraction and visualization support for a group of Lexington citizens analyzing local property development and its implications for the local social, economic, and political landscape

maptimeLEX — *Outreach*

- Founded, organized, and contributed to regular, beginner-friendly meetups targeted at helping those interested in learning cartographic concepts, tools, and techniques.
- Led a collaboration with OpenLexington to import Lexington's building footprints into OpenStreetMap.

Geospatial Skills

Desktop GIS: ArcGIS 10.x, QGIS 2.x, ArcGIS Pro

Web Mapping: Leaflet, MapboxJS, Esri-Leaflet, Carto, ArcGIS Online, Google Maps JS API, Mapzen

Database/Server: ArcGIS for Server, ArcSDE, PostgreSQL/PostGIS

Mapping Utilities: Mapshaper, ArcPy, OGR/GDAL

OSM Tools: iD Editor, JOSM, Overpass Turbo

Programming

Web: HTML/CSS, JavaScript/jQuery, Bootstrap, Wix, Jekyll, WordPress
Scripting: Python, Ruby, R
Development Tools: Git/GitHub, Atom Editor, Sublime Text 2

Design

Vector: Inkscape, Adobe Illustrator
Raster: GIMP2, Canva

Professional Organizations

North American Cartographic Society: May 2015-Present

Kentucky Association of Mapping Professional: April 2014-Present