





Patrick McKinney

Cartographer & Developer



I am a geographer interested in telling the stories of communities through maps and technology.

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Mechanicsburg, PA 

Work Experience

GIS Specialist



Cumberland County GIS

 April 2013 - Ongoing  Carlisle, PA

- ◆ Developing JavaScript/HTML5 web map applications
- ◆ Automating data update procedures through Python scripts and Windows scheduled tasks
- ◆ Building custom ArcGIS Desktop geoprocessing tools with ArcPy
- ◆ Providing technical assistance to County departments and municipal partners

Developer & Client Support



Wanna Pixel Inc.

 April 2015 - September 2016  Mechanicsburg, PA

- ◆ Built websites on Wordpress from design mock-ups using a standard build procedure
- ◆ Developed custom functionality on websites using JavaScript
- ◆ Reviewed websites on multiple desktop and mobile views to document bugs and other issues with sites

Countywide Planner

Lancaster County Planning Commission

 December 2011 - April 2013  Lancaster, PA

- ◆ Designed maps for transportation, recreation, environmental, tourism, and historic program areas
- ◆ Performed spatial analysis for land use and transportation planning
- ◆ Assisted with maintenance of website

Programming Languages

HTML	● ● ● ● ○ ○
CSS	● ● ● ● ○ ○
JavaScript	● ● ● ○ ○ ○
Bootstrap	● ● ● ○ ○ ○
jQuery	● ● ○ ○ ○ ○
Leaflet.js	● ● ● ● ○ ○
Python	● ● ● ● ○ ○
ArcPy	● ● ● ● ○ ○
Git	● ● ○ ○ ○ ○


Software Packages

ArcGIS Desktop	● ● ● ● ● ○
ArcGIS Server	● ● ● ● ○ ○
ArcGIS Online	● ● ● ● ● ○
Microsoft Office	● ● ● ● ● ●
Adobe Illustrator	● ● ○ ○ ○ ○
Wordpress	● ● ● ○ ○ ○
Drupal	● ● ○ ○ ○ ○

Education

M.S. in Geography

Indiana University of Pennsylvania

 September 2009 - May 2011

B.A. in Earth Sciences

Millersville University of Pennsylvania

 September 2003 - December 2007