AMANDA KMETZ

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GIS graduate student passionate about urban resource access, fair representation and open spatial data seeking a position to transition educational foundations into professional practice.

SKILLS

- ArcGIS Suite
- QGIS
- Microsoft Office Suite
- Git and Github
- Python for automation and visualization
- R for data manipulation and statistical analysis
- JavaScript for web map creation
- SQL for database management and queries

EDUCATION

Temple University, Professional Science Master's in GIS — August 2018 – August 2020 (Expected)
Philadelphia, PA

- Coursework in Spatial Database Design, Spatial Statistics, Application Development, Census Data Analysis, Geovisualization, and Web Mapping
- GPA: 4.0

Boston University, Bachelor's in Linguistics — August 2008 – May 2012
Boston, MA

WORK EXPERIENCE

Fundamentals of GIS Tutor, Temple University Department of Geography and Urban Studies — September 2019 – Present
Philadelphia, PA

- Work with students enrolled in Temple's introductory GIS course, for over 125 lab meetings
- Review topics such as coordinate reference systems, digitization, symbolization, joins, SQL queries, vector and raster layer operations, geocoding, and site selection
- Troubleshoot any issues with installations, file management, missing data, and report writing

Host/Server, Honey's Sit 'N Eat — December 2018 – Present
Philadelphia, PA

- Greet incoming guests, manage times and positions on the waitlist, and support staff as needed
- Maintain excellent communication between the front and back of house, while providing prompt and friendly service

PROJECTS

Philadelphia Street Tree Site Selection

- Python script that automates a site selection and map creation for new potential street tree locations in the City of Philadelphia, using the arcpy package

Economic Development Web Map

- Web map created using Leaflet that highlights several economic development factors in Philadelphia

Alternative Election Geographies for Predictive Election Modelling with R (In Progress)

- Group project in R that uses Census demographic data to model election results across geographies, with the ultimate goal of proposing census tracts as an improvement over current voting districts