AMANDA KMETZ

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GIS professional with experience in nonprofit work, food systems, technical writing and customer service seeking an analytical position in community development

TECHNICAL SKILLS

Geographic Information Systems: ArcGIS (ArcMap and ArcGIS Pro), QGIS

Programming and Web Development: Python, JavaScript (Node.js, ReactJS)**,** HTML, CSS

Statistics: R, JMP

Databases: PostgreSQL, SQLite

Productivity: MS Office, Google, LibreOffice, Markdown, Github

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 with Python, Web Mapping, Census Data Analysis, Cartographic Visualization, and Remote Sensing

– GPA: 4.0

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

Boston, MA

WORK EXPERIENCE

GIS and Data Analysis Intern, Share Food Program   January 2020 – May 2020

Philadelphia, PA

– Designed a data management system using open source solutions for a volunteer-driven organization

– Built a SQLite database for the program's distribution network to serve as the basis for web content and spatial analysis

– Wrote custom Python applications to support data entry, geocoding and conversion to GIS-compatible formats

– Created an interactive Leaflet web map to display food pantry locations on the program's website

– Produced a technical manual for use by program administration to understand and develop organizational data storage

– Performed demographic analysis to determine optimal locations for emergency food distribution sites during the pandemic

Graduate Student Assistant, Temple University Department of Geography and Urban Studies   September 2019 – Present

Philadelphia, PA

– Managing lab hours where students of GIS and programming courses can seek help with coursework and projects

– Providing GIS education in topics including coordinate systems, cartography, selection queries and geoprocessing functions

– Helping students to learn Python, focusing on the arcpy package for automating analytical processes with ESRI products

– Updating technical manuals for the introductory GIS course in preparation for the shift from ArcMap to ArcGIS Pro