

J. ALEX PORTER

GIS TECHNICIAN/PLANNER



Richmond, VA



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PROFILE

I am an early-career GIS professional with a background in education, currently building hands-on experience in spatial and data analysis, as well as mapping. I bring strong communication skills, a collaborative mindset, and as a former teacher, a deep curiosity and commitment to continuous learning. I'm dedicated to enhancing the value of my organization's output and improving the efficiency and ease of work for colleagues. I'm seeking roles that offer challenge and growth in mapping and spatial analysis, and I am excited to expand and deepen my technical expertise in GIS applications and spatial technologies.

SKILLS

ArcGIS Pro/Online/Storymaps
ArcGIS Experience Builder
FAA Drone Pilot Certified
IBM SPSS, MS Excel
Base R (incl. tidyverse)
SQL Querying
Python (Matplotlib, Plotly, scipy)
Data Visualization
Conversational German
Virginia Teacher License
Writing and Editing

EDUCATION

PROFESSIONAL CERTIFICATE
IN DATA ANALYTICS
Google
2024 – 2025

GRAD CERTIFICATE IN GIS
Virginia Commonwealth Univ.
2023 – 2024

M.A. IN GERMANIC STUDIES
University of Maryland
2019

B.A. IN GERMAN
College of Charleston
2016

WORK EXPERIENCE & PROJECTS

GIS Technician/Planner

April 2025 – Present

Fluvanna County Department of Planning and Zoning | Palmyra, VA

- Developed program to automate retrieval and archival of County GIS databases
- Created network analysis maps to assist county emergency services dispatch
- Expediently processed resident applications for site plan and subdivision permits
- Crafted 3D data visualizations for county promotional materials using topographic data

Teacher

Oct 2024 – March 2025

Henrico County Public Schools

- Implemented lesson plans for absent teachers, supported admin goals

GIS Fellow

June 2024– Oct 2024

Hopewell City Department of Planning and Development | Hopewell, VA

- Streamlined GIS workflows through development of departmental means and methods system, enabling quicker training of future recruits
- Enabled effective policy communication through spatial analysis and cartography to create visual aids for public and private organizations
- Developed updated pedestrian and vehicular signage based on city's comprehensive plan
- Conducted environmental and site plan review for grants adhering to HUD guidelines

German Teacher

Aug 2021 – June 2024

Hanover County Public Schools | Ashland, VA

- Designed and implemented German curriculum for German learners at levels 1-6 and IB at middle and high school level
- Developed countywide language curriculum as German liaison to world language curriculum renovation team, 2023-24 school year
- Analyzed student performance via regular benchmark tests, and surpassed goals for student retention and average student improvement assessments.
- Recognized as Innovator of the Month for Strategic Planning in December 2023
- Presented findings from ACTFL Conference to world language colleagues
- Served as faculty advisor for World Language club, facilitated club events

Geographic Information Systems Certificate Program and related projects

- Statistical analysis of Charlottesville area demographic data, including Hot Spot, Multivariate and Cluster Analysis, Multiple Regression
- Mapped crime data for various crimes in City of Hopewell, Jan 2022 – Aug 2024
- Geographic analysis of Henrico Public Schools student outcomes compared with environmental factors like green space, library access, etc, <https://arcg.is/10u9rG0>