

J. ALEX PORTER

GIS AND DATA ANALYST



Richmond, VA



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PROFILE

I am a highly motivated former teacher looking to combine my expertise in GIS and my rapidly expanding knowledge of data analysis with my wealth of experience working in education and local government. I am communicative and quick to learn, and I am dedicated to improving both the value of my organization's output and the ease and efficiency of work for those I work alongside. I am seeking an entry-level opportunity in GIS and data analysis to continue laying foundations for an exciting career managing and analyzing spatial data.

SKILLS

ArcGIS Pro/Online/Storymaps
ArcGIS Experience Builder
IBM SPSS, MS Excel
Base R, SQL
Python (Matplotlib, Plotly, scipy)
Data Visualization
Conversational German
Virginia Teacher License
Writing and Editing
Problem solving
Public speaking

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

Teacher

Oct 2024 – Present

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

Adjunct Professor of German

Aug 2020 – June 2021

Shenandoah University | Winchester, VA

- Crafted first through fourth semester curriculum as instructor of record for university students of German, in person and online
- Guided students on cultural excursions to events in D.C. and hosted regular club nights

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.