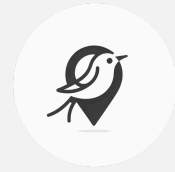


ANDREW CAMERON

I'm a former teacher with over a decade of professional experience in education who made a pivot to the world of environmental GIS and data analysis, and I haven't looked back since. Bilingual, skilled in GIS, data analysis, and problem solving, and ready to make an impact.



EXPERIENCE

- present
|
Jan
2024






- **Geospatial Research Analyst**
Virginia Commonwealth Univ. 📍 Richmond, Virginia
 - Working to enhance urban agriculture site selection, sustainability, and equity
 - Preparation of technical project summaries
 - GIS data sourcing and acquisition
 - GIS data innovation and spatial analysis
 - Developed spatial web application to communicate findings and engage stakeholders
 - Developed Survey123 form for field data collection and model validation
- May
2024
|
May
2023

- **GIS Analyst**
City of Newport News 📍 Newport News, Virginia
 - Analyst intern with City of NN GIS team
 - Programmatic scripting to streamline GIS data preparation and analysis
 - Developed web map application for Newport News Green foundation as part of their website redesign
 - Assisted colleagues by automating data preparation and analysis tasks
 - Collaborated with cross-functional teams on data accuracy and GIS problem-solving
- present
|
Dec
2023

- **Environmental Data Research Assistant**
Virginia Commonwealth Univ. 📍 Remote
 - Optimizing R scripts for environmental data processing
 - Implementing statistical models for environmental data analysis
 - Producing dynamic, publication-ready visualizations with ggplot2 and ganimate
 - Supported research through technical R expertise
- Jun
2023
|
Feb
2023

- **Graduate Research Assistant**
Virginia Commonwealth Univ. 📍 Remote
 - Literature review to identify relevant environmental parameters for different types of green infrastructure
 - Review Best Management Practices (BMPs) to identify the role landscape factors play when selecting different types of green infrastructure

CONTACT INFO

 [personal website](#)
 cameronam2@vcu.edu
 [Github profile](#)
 [LinkedIn profile](#)
 413-329-6650

SKILLS

Proficient

R & RStudio
ArcGIS Pro & ArcGIS Online
Cartographic Visualization
Data Wrangling
Data Analysis
Suitability Modeling
Bilingual
English/Spanish
Geodatabase Management
Esri tools

Survey123 Connect
Web Maps
Field Maps
Experience Builder
Model Builder
Dashboards

Working Knowledge

Python/ArcPy
PostgreSQL & PostGIS
SQL
Statistical Analysis

Jun
2021
|
Aug
2013

- **Middle and High School Spanish Teacher**
Newport News Public Schools  Newport News, Virginia





EDUCATION


- 2024 ● **Virginia Commonwealth University**
Master of Environmental Studies  Richmond, Virginia
- **Virginia Commonwealth University**
GIS Graduate Certificate  Richmond, Virginia
- 2015 ● **Middlebury College**
M.A. - Spanish  Middlebury, Vermont
- 2007 ● **College of the Holy Cross**
B.A. - Philosophy  Worcester, Massachusetts



HONORS & AWARDS

- May 2024 ● **Most Outstanding Graduate Student**
Virginia Commonwealth University Center for Environmental Studies
 Richmond, Virginia

Awarded at the completion of my graduate studies in recognition of academic performance, professional development, and contributions to the program.
- Nov 2023 ● **GIS Web App Contest - 1st Place**
Hampton Roads GIS Day Conference  Norfolk, Virginia

Award for best Web App voted on by attendees of the GIS Day conference at Old Dominion University in recognition of our internal Newport News Gun Crime application
- Apr 2023 ● **Best Geographic Analysis**
Virginia Association for Mapping and Land Information Systems Conference
 Harrisonburg, Virginia

Issued by Virginia Association for Mapping and Land Information Systems at the VAMLIS 2023 GeoCon conference in recognition of my poster "Using GIS to Identify Habitat for an Endangered Coastal Songbird"



PRESENTATIONS

Apr
2024

- **“Using Urban Land Evaluation and Site Assessment (uLESA) to Identify Ideal Locations for Urban Agriculture”**

Miami Valley Section of APA Ohio

📍 Virtual

Co-presenter with Dr. John Jones. Presentation on urban agriculture and the uLESA model aimed at planning professionals.

Apr
2023

- **“Little Patch, Big Difference: How Small Green Spaces Can Take on Big importance for Migrating Birds in Developed Areas”**

Newport News Green Foundation

📍 Newport News, VA

Invited public talk on the importance of small green spaces for migratory birds in urban areas, utilizing NLCD data, eBird data, and two local case studies to make the point.

PUBLICATIONS

July
2024

- **“Mapping a greener future: how GIS enhances urban agriculture initiatives” (forthcoming)**

Urban Agriculture Magazine

📍 Frome, England

This article uses Richmond, Virginia, as a case study to highlight how GIS technology can enhance urban agriculture initiatives by optimizing site selection and supporting sustainable, equitable project planning.