

Kyle Redican, Ph.D.

Assistant Instructional Professor
Department of Geography | University of Florida
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FACULTY APPOINTMENT

Assistant Instructional Professor

2026 – Present

University of Florida - Department of Geography

Teaches GIScience courses including Foundations of GIS and GIS Programming

Director of Spatial Analysis Lab / Assistant Teaching Faculty

2022 – 2026

University of Richmond - Department of Geography, Environment, and Sustainability

Teaches all introduction, intermediate, and advanced undergraduate GIS courses (3–4 sections/semester).

Oversees undergraduate GIS research/helpdesk lab; mentors students in academic and career development.

Serves on university curriculum and program guidance committees.

EDUCATION

Ph.D., Geography, Environmental, and Spatial Sciences

2022

Michigan State University, East Lansing, MI

Dissertation: "Knowledge Spillovers, Effective External Linkages, and Safe Drinking Water Act Compliance"

Committee: Ashton Shortridge (chair), Igor Vojnovic, Nathan Moore, Janice Beecher

M.S. Urban and Regional Planning

2016

Virginia Polytechnic Institute and State University, Blacksburg, VA

Thesis: "The Relationship between Gigabit Broadband and Economic Well-Being"

Committee: Tom Sanchez (chair), Yang Zhang, Shalini Misra

B.A., Political Science and Government Administration

2012

Christopher Newport University, Newport News, VA

TEACHING EXPERIENCE

University of Richmond - Instructor of Record

Geography 260: Introduction to GIS (3 cr.)

Fall 22–25; Spring 23–26

Geography 280: Cartography and Spatial Data Visualization (3 cr.)

Fall 22–25

Geography 365: Advanced GIS (3 cr.)

Spring 23–26

Geography 390: Independent Study (1-3 cr.) - 16 students supervised

Fall 2022–Present

Michigan State University - Instructor of Record

GEO 413: Urban Geography (3 cr.) - online, 53 students

Spring 2022

GEO 330: Geography of the United States (3 cr.)

Spring 2022

GEO 425: Problems in GISciences (4 cr.)

Spring 2022

GEO 215: Sports Geography (3 cr.) - in-person, 90 students

Fall 2021

GEO 113: Introduction to Economic Geography (3 cr.)

Spring 2020, 2021; Summer 2021

GEO 326: Cartographic Design and Production (4 cr.)

Summer 2020, 2022

GEO 325: Intermediate GIS (3 cr.)

Fall 2019, 2020

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Professional GIS Certificate Programs

Co-Director, UR School of Professional and Continuing Studies GIS Certificate	Summer 2023 – Present
MSU onGeo Professional Certificate - GTIM Course Creator	Summer/Fall 2022; Spring 2023
MSU onGeo Certificate - Cartography 420 Instructor	Summer 2020
MSU onGeo Certificate - GIS 420 Instructor	Summer 2020

Michigan State University - Teaching Assistant / Lab Instructor

GEO 866: Spatial Data Analysis (Graduate, 4 cr.)	Fall 2018
GEO 425: Problems in GISciences (4 cr.)	Spring 2018, 2019
GEO 326: Cartographic Design and Production (4 cr.)	Fall 2017
GEO 221: Introduction to GIS (3 cr.)	Summer 2019
GEO 113: Introduction to Economic Geography (3 cr.)	Spring 2018

PEER-REVIEWED PUBLICATIONS

* Undergraduate student co-author ** Graduate student co-author

- Day, T., *Gonzalez, M., Kim, J., McDaniel, P. N., Redican, K., & Zhu, T. (2025). Generative AI in Undergraduate Education: An Early View of Developments, Prospects, and Challenges of the AI Revolution. *The Professional Geographer*, 1–18. *(Contribution: Co-investigator; contributed to theoretical framing, data analysis, and writing.)*
- Redican, K., *Gonzalez, M., & Zizzamia, B. (2025). Assessing ChatGPT for GIS education and assignment creation. *Journal of Geography in Higher Education*, 49(1), 113–129. *(Contribution: Lead author; conceived the study, designed the methodology, conducted analysis, and led all writing.)*
- *Wen, S., Redican, K., & Hurtado, C. (2024). A New Urban Center/Subcenters Identification Approach Based on Open Street Map in Polycentric Urban Landscapes in the US. *Transactions in GIS*, 28(8), 2586–2603. *(Contribution: Conceived the study, identified the research question, designed and executed the quantitative methodology, conducted all spatial analysis, and provided line-level writing and editorial guidance throughout. Supervised first-author undergraduate researcher through all stages of the project.)*
- White, J. D., Mack, E. A., Harlan, S. L., Krayenhoff, E. S., Georgescu, M., & Redican, K. (2019). Regional Multivariate Indices of Water Use Potential for the Continental United States. *Sustainability*, 11(8), 2292. *(Contribution: Contributed spatial analysis and GIS methodology.)*
- Mack, E., Pierre, L., and Redican, K. (2017). Entrepreneurs' use of Social Media Applications. *Telecommunications Policy*, 41(2), 120–139. *(Contribution: Co-author; contributed to data collection, analysis, and writing.)*

WORKING PAPERS

* Undergraduate student co-author ** Graduate student co-author

- Redican, K., *Broening, A., *King, M., and *Abbott, J. "Exploring Uncertainties in the American Community Survey." *Regional Science and Urban Economics*. (Under review, submitted 2024).
- *Linnane, K., Plaxco, A., and Redican, K. "A Simulation Framework for Assessing Community Health Uncertainty using American Community Survey Modeling." *Journal of Epidemiology and Community Health*. (Under review, submitted 2026).
- Besik, D., Redican, K., Collier, Z. A., *Tenorio, R., *Liu, W., *Elias, A., & Thekdi, S. (2025). Natural disaster risk and food infrastructure. *Journal of Humanitarian Logistics and Supply Chain Management*. (Under review).
- Joireman, S., Redican, K., Stritikus, H.*, Callahan, E.*, & Darwen, S. (2025). Leveraging public large language models for coding conflict event data: A case study using ACLED data from the Syrian civil war. *Journal of Computation Social Science*. (Under review).
- Peterson, Kevin, and Redican, Kyle (2026).

NON-REFEREED PUBLICATIONS AND TECHNICAL REPORTS

Soule, D., and Redican, K. "Voters lose when maps get redrawn before every election instead of once a decade." The Conversation. October 30, 2025.

Shields, T., Deane, R., Redican, K., *Broening, A., and *Quach, M., "Commentary: How that 'big beautiful bill' discards RVA's children." Richmond Times Dispatch. June 22, 2025.

Shields, T., Redican, K., and *Quach, M., Can We Learn and Live Together? 2.0: Housing and School Segregation in the Richmond Region. October 2024.

Redican, K., and *Gonzalez, M. "ChatGPT's role in tackling GIS classroom challenges." TheAcademic. October 30, 2024.

Shields, T., Byrum, A., *Murtaugh, S., Redican, K., and Zur, J.* "Commentary: By mapping Richmond's past and present, our future comes into focus." Richmond Times Dispatch. April 30, 2023.

Beecher, J., Redican, K., and **Kolioupoulos, M. (Mis)Classification of Water Systems in the United States. SSRN. June 2020.

Redican, K. (2017). Water Quality Issues in the Developing and Developed Worlds. Regions Magazine, 306(1), 11–13.

Funding Obtained

Finley-Brook, M. (Co-Principal), Zizzamia, B. (Co-Principal), Redican, K. (Co-Principal), Salters, M. (Co-Principal), "Teachers' Energy Academy - 'Data Centers, STEM, Arts and Geography'," Sponsored by Virginia Geographic Alliance, \$12,500.00. (January 2024 – August 2024).

Redican, K., Cassady, S., Delroba, E., Quach, M., "Transcribing and Mapping Historic Census Data," Sponsored by City of Richmond Planning Department- Office of Equitable Development, Local, \$20,000.00. (May 8, 2023 - July 14, 2023).

University of Richmond Arts & Sciences Undergraduate Summer Research Fellowships Mentored

11 students funded (\$5,500 each)	2025
7 students funded (\$5,500 each)	2024
4 students funded (\$5,500 each)	2023

Student Conference Travel Grant Facilitation

19 students facilitated (up to \$1,500 each)	2026 (to date)
42 students facilitated (up to \$1,500 each)	2025
15 students facilitated (up to \$1,500 each)	2024
16 students facilitated (up to \$1,500 each)	2023

MSU Environmental Science and Public Policy (ESPP) Summer Research Fellowship (\$7,000)	2019
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AWARDS AND RECOGNITION

Serve Virginia - Winter 2026 Honor Roll	2026
State wide recognition for commitment to action that improves the quality of life in communities across the state and demonstrates the spirit of volunteerism	
University of Richmond's Bonner Center for Civic Engagement Engage for Change- Community Engaged Scholarship Award	2025
Redican	2026

University recognition for demonstrated excellence in community-engaged scholarship.

Bonner Foundation Engaged Scholar Tribute Award

2025

National recognition for demonstrated excellence in community-engaged scholarship.

SELECTED STUDENT MENTEE AWARD WINNERS

Student	Years Mentoring	Selected Student Achievements
Nicholas Parlavecchio	2023 to Present	2026 Barry Goldwater Scholar
Helen Mei	2025 to Present	2024 Virginia Association of Mapping and Land Information Systems (VAMLIS) “Best Student Application”
Thuba Mnisi	2023 to Present	2024 Virginia Association of Mapping and Land Information Systems (VAMLIS) “Best Student Poster”
Ibrahim Alkaseer	2024 to Present	2026-2027 Rhodes Scholar Recipient
Michelle Quach	2022 to 2025	2024-2025 University of Richmond’s Geography Outstanding Research
Shaoting Wen	2022 to Present	- Current Dual Master’s Student at University of Pennsylvania in Urban Planning and Spatial Data Science 2024 Southeastern Division of the American Association of Geographer’s (SEDAAG) “Best undergraduate human geography poster winner” 2023-2024 University of Richmond’s Geography Outstanding Research Award 2023-2024 University of Richmond’s Economics Outstanding Thesis Award
Matteo Gonzalez	2022 to 2024	- Runner up in the 2024 National Student Employee of the Year in Technology and Innovation 2023-2024 University of Richmond’s Geography Outstanding Senior Award - Multiple peer-reviewed scientific publications
Oriana Ballotta-Garman	2022 to 2024	2023 Southeastern Division of the American Association of Geographer’s (SEDAAG) “Best undergraduate poster winner”
Tereza Hernandez	2022 to 2023	2022-2023 University of Richmond’s Geography Outstanding Senior Award

Emily Lopez	2022 to 2023	• 2023 VAMLIS Conference “Best Research Poster Award Winner” • 2023 Charles Edward McNoldy Memorial College Student Award GIS Scholarship Recipient
Dalton Castle	2021 to 2022	• (2020 to 2021) MSU Undergraduate Human Geographer of the Year
Nicholas Catanzaro	2019 to 2022	• (2019 to 2020) Recipient of the Harold A. Duke Memorial Fellowship in Environmental Geography
Dustin Rademacher	2018 to 2021	• (2019 to 2020) MSU Undergraduate Human Geographer of the Year • (2018 to 2019) MSU Undergraduate Human Geographer of the Year

INVITED TALKS

[^]forthcoming and accepted

Redican, K. (2026, March 27). *Cultivating Geographic Inquiry: Undergraduate Research from Datasets to Doorsteps*. Invited colloquium talk, Department of Geography, Virginia Tech, Blacksburg, VA.

Redican, K. (2026, March 26). *Engaging Undergraduate Students in Geospatial Research*. Invited speaker series talk: MapRVA. Richmond, Virginia..

Redican, K. (2025, October 10) “Teaching and Learning with AI: A Multi-Dimensional Perspective.” Invited speaker series talk: Ecological Society of America’s Faculty Mentoring Network Speaker Series. Online.

PRESENTATIONS AND PANELS (FIRST AUTHOR / PRESENTER)

"Spatial Patterns of ACS Uncertainty in Historically Redlined Neighborhoods: A National Analysis" 2025
Southeastern Division AAG (SEDAAG), Lexington, KY - with King, M.*

"Unveiling Community Histories: Geospatial Insights into Jackson Ward's Neighborhood Identity and Boundary" 2025

Annual Meeting of the AAG, Detroit, MI (Poster)

"Understanding the Impact of Margins of Error in ACS Data for Index Construction" 2024
SEDAAG, Greenville, SC - with Wen, S.*

"Reconstructing Unity: Empowering Reconnections Post-Interstate Highway Deployments" 2024
Annual Meeting of the AAG, Honolulu, HI (Poster)

"Rethinking the Polycentricity in the US after COVID-19" 2023
SEDAAG, Norfolk, VA (Poster) - with Wen, S.*

"Unpacking the Census: Exploring Changes in Socio-Economic Position" 2023
VAMLIS Annual Meeting, Harrisonburg, VA (Poster)

"A Geographer in Action: Kyle Redican," Geographers in Action, Department of Geography, Environment, and Sustainability, Richmond. 2022

"(Mis)Classification of Water Systems in the United States" 2020
Michigan Regulatory Forum (Poster)

"The Public Policy Implications of Structural Ownership Features in Community Water Systems" 2019

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PANELS

AI Impact on college research and education, International Symposium on Spatiotemporal Data Science, Virginia Tech/ George Mason University / NSF- Sponsored	Aug. 2026
GenAI in Geography Education - Panelist, AAG Annual Meeting, San Francisco, CA	Mar. 2026
GenAI in Geography Education - Panelist, AAG Annual Meeting, Detroit, MI	Mar. 2025
AI and Geography Education - Panelist, Social Science Education Consortium Webinar	Feb. 2025
The Silicon Valley of the East: Virginia as a Hotspot for Data Centers and AI - Panelist, Sierra Club / VA Science Museum	Feb. 2025
New Faculty Orientation Panel - Panelist, University of Richmond	Aug. 2024
Sustainability Jobs Panel - Moderator, University of Richmond Career Services	Mar. 2023
Redlining, Vulnerability, and Environmental Justice - Moderator, UR GIS Day	Nov. 2022
The Hidden Value of Collaboration and Networking - Panelist, AEAN Virtual Conference	Nov. 2020

STUDENT AND COLLABORATOR PRESENTATIONS (MENTORED)

** Undergraduate student co-author ** Graduate student co-author ^forthcoming and accepted*

2026

- *Mei, S., and Redican, K. "Remapping Carytown: Exploring Senses of Place through a City Walk Tour in Richmond, VA." AAG Annual Meeting, San Francisco, CA. March 2026. (Poster)
- *Weaver, E., *Sullivan, A., and Redican, K. "RVA Community Fridges: An Opportunity to Fight Food Insecurity." AAG Annual Meeting, San Francisco, CA. March 2026. (Poster)
- *Camera, K., *Tsai, J., *King, M., and Redican, K. "Unpacking the Census: Creating Community Engagement Tools Using an Interactive Mapping Application." AAG Annual Meeting, San Francisco, CA. March 2026. (Poster)
- *Darwen, S., *Callahan, E., *Stritikus, H., Redican, K., and Joiremann, S. "Leveraging Public Large Language Models for Coding Conflict Event Data: A Case Study Using ACLED Data from the Syrian Civil War." AAG Annual Meeting, San Francisco, CA. March 2026. (Poster)
- *Callahan, E., *Darwen, S., *Stritikus, H., Redican, K., and Joiremann, S. "Patterns of Return: Ethnic Geography and Post-Conflict Migration in Syria." AAG Annual Meeting, San Francisco, CA. March 2026. (Poster)
- *Stapleton, P., Mnisi, T., *Murray, D., *Weiner, J., *Lina, K., Zizzamia, B., and Redican, K. "Pedestrian Heat Stress: Mapping Urban Heat Heterogeneity in Richmond's Jackson Ward Neighborhood." AAG Annual Meeting, San Francisco, CA. March 2026. (Poster)
- *Murray, D., *Stapleton, P., Mnisi, T., *Weiner, J., *Lina, K., Zizzamia, B., and Redican, K. "Mapping Heat and Planting Shade: Cooling Historic Jackson Ward." AAG Annual Meeting, San Francisco, CA. March 2026. (Poster)
- *King, M., *Linnane, K., and Redican, K. "The Legacy of Redlining on American Community Survey Uncertainty." AAG Annual Meeting, San Francisco, CA. March 2026. (Poster)

2025

- *Mei, H., Shields, T., and Redican, K. "Learn and Live Online Mapping Applications." VAMLIS 2025, Harrisonburg, VA. (Mapping Applications Session) - Best Student Application Award.
- *Mnisi, T., Zizzamia, B., and Redican, K. "Pedestrian Heat Stress: Mapping Urban Heat Heterogeneity in Richmond's Jackson Ward Neighborhood." VAMLIS 2025, Harrisonburg, VA. (Student Poster Session) - Best Student Poster Award.
- *Spratly, F., Sevin, J., and Redican, K. "Threats to the Birds of the University of Richmond's Campus." SEDAAG, Lexington, KY. November 2025. (Poster)

- *Stapleton, P., Zizzamia, B., and Redican, K. "Pedestrian Heat Stress: Mapping Urban Heat Heterogeneity in Richmond's Jackson Ward Neighborhood." SEDAAG, Lexington, KY. November 2025. (Poster)
- *Linnane, K., Plaxco, A., and Redican, K. "A Simulation Framework for Assessing Community Health Uncertainty using American Community Survey Modeling." SEDAAG, Lexington, KY. November 2025. (Poster)
- *Fawaz, S., *Lively, J., *Lina, K., Shields, T., and Redican, K. "Power, Participatory Mapping, and Interstate 95 in Jackson Ward." AAG Annual Meeting, Detroit, MI. March 2025. (Presentation - Black Cartographies III: Cartographies of Black Presence session)
- *Broening, A., *King, M., *Abbott, J., and Redican, K. "Spatial Exploration of Changing Uncertainties in the American Community Survey." AAG Annual Meeting, Detroit, MI. March 2025. (Poster)
- *Quach, M., Shields, T., and Redican, K. "Living and Learning in Richmond, Virginia." AAG Annual Meeting, Detroit, MI. March 2025. (Poster)
- *Dupuy, J., and Redican, K. "Utilizing Geospatial Tools to Analyze Perceptual Regions." AAG Annual Meeting, Detroit, MI. March 2025. (Poster)
- *Wen, T., *Thorpe, G., and Redican, K. "Understanding the Impact of Margins of Error in American Community Survey Data for Index Construction." AAG Annual Meeting, Detroit, MI. March 2025. (Poster)
- *Durazo, E., Spera, S., and Redican, K. "Ridin' River City: A Collaborative Look at Richmond's Cycling Scene." AAG Annual Meeting, Detroit, MI. March 2025. (Poster)
- *Cassady, S., *Liu, W., Jenkins, K., Finley-Brook, M., Zizzamia, E., and Redican, K. "The Current Geography of VA Data Centers." AAG Annual Meeting, Detroit, MI. March 2025. (Poster)
- *Caguicla, J., *Sosa-Antunez, N., and Redican, K. "Unequal Access: Mapping Food Deserts and the Legacy of Apartheid in Rural South Africa." AAG Annual Meeting, Detroit, MI. March 2025. (Poster)

2024

- *Wen, T., McGraw, A., and Redican, K. "Exploring the Potential Relationship between Census Demographics and Music Events." SEDAAG, Greenville, SC. November 2024. (Poster) - Best Human Geography Undergraduate Poster Award.
- *Liu, W., Jenkins, K., Zizzamia, E., Finley-Brook, M., and Redican, K. "Data Centers Sustainability: The Effect of Bills." SEDAAG, Greenville, SC. November 2024. (Poster)
- *Lina, K., Zizzamia, E., Allen, J., and Redican, K. "Unveiling Community Histories: Geospatial Insights into Jackson Ward's Neighborhood Identity and Boundary." SEDAAG, Greenville, SC. November 2024. (Poster)
- *Zhao, L., Soule, D., and Redican, K. "Compactness Analysis Metrics for Evaluating District Compactness." SEDAAG, Greenville, SC. November 2024. (Poster)
- *Gonzalez, M., Redican, K., and Zizzamia, E. "Assessing ChatGPT and LLMs for GIS Education and Assignment Creation." AAG Annual Meeting, Honolulu, HI. April 2024. (Poster)
- *Ballotta-Garman, O., and Redican, K. "Cartographic Considerations for Marine Ecosystem Mapping." AAG Annual Meeting, Honolulu, HI. April 2024. (Poster)
- *Blevins, B., and Redican, K. "Spatial, Economic, and Environmental Exploration of Data Center Indices." AAG Annual Meeting, Honolulu, HI. April 2024. (Poster)
- *McIsaac, G., and Redican, K. "Assessing American Community Survey Error Rates in Social Determinants of Health Indices." AAG Annual Meeting, Honolulu, HI. April 2024. (Poster)
- *Wen, S., Redican, K., and Hurtado, C. "Rethinking the Polycentricity in the US after Covid-19: A New Urban Centers/Subcenters Identification Method." AAG Annual Meeting, Honolulu, HI. April 2024. (Poster)

2023

- *Ballotta-Garman, O., Redican, K., and Sevin, J. "Health of Deer in Urban, Suburban, and Rural Environments." SEDAAG, Norfolk, VA. November 2023. (Poster) - Best Undergraduate Poster Award.
- *Beech-Brown, E., *Parker, F., Redican, K., and Zizzamia, E. "Bays vs Oceanfront: Impacts of Artificial Light on Marine Ecosystems." SEDAAG, Norfolk, VA. November 2023. (Poster)
- *Delroba, E., Redican, K., and Zizzamia, E. "The Impact of 1950s Interstates on Jackson Ward, Richmond." SEDAAG, Norfolk, VA. November 2023. (Poster)
- *Cassady, S., Redican, K., and Zizzamia, E. "Reconstructing Unity: Empowering Reconnections Post Interstate Highway Deployments with Geospatial Tools." SEDAAG, Norfolk, VA. November 2023. (Poster)

- *Kroodsmas, G., Redican, K., and Lookingbill, T. "James River City Park Systems Invasive Species Mapping and Assessment." SEDAAG, Norfolk, VA. November 2023. (Poster)
- *Dupuy, J., and Redican, K. "Creating a Tool to Analyze Fuzzy Boundaries." SEDAAG, Norfolk, VA. November 2023. (Poster)
- *Hernandez, T., and Redican, K. "Local Bivariate Relationships between Visitation to National Parks and Race/Ethnicity Variables." VAMLIS Annual Meeting, Harrisonburg, VA. April 2023. (Poster)
- *Murtaugh, S., and Redican, K. "Unpacking the Census: Exploring Patterns of Spatial Inequity through Census Data." VAMLIS Annual Meeting, Harrisonburg, VA. April 2023. (Poster)
- *Shaoting, W., Redican, K., and Hurtado, C. "Nonparametric Identification of Polycentric Economic Centers by Open Street Map." VAMLIS Annual Meeting, Harrisonburg, VA. April 2023. (Poster)
- *Lopez, E., and Redican, K. "Regional Urban Heat Island Inequities in the Richmond Metro Area." VAMLIS Annual Meeting, Harrisonburg, VA. April 2023. (Poster) - Best Undergraduate Poster Award.

WORKSHOPS AND GUEST LECTURES

Workshops Led

Redican, K. (Author), Shields, T. (Author (SPCS Associate Dean)), Morning Blend, "Unpacking the Census in the Classroom," Faculty Hub, Richmond, VA. (March 22, 2023).

Redican, K. (Author), Shields, T. (Author (SPCS Associate Dean)), Morning Blend, "Unpacking the Census in the Classroom," Faculty Hub, Richmond, VA. (March 21, 2023).

"Effective Teaching and Instructive Methods for an Interactive Classroom" - MSU Department of Geography
Sep. 2021

"Census APIs and tidycensus: Getting Census Data into R" - MSU Social Science Data Analytics Initiative
Apr. 2021

Selected Guest Lectures

"Simple Kriging and the Variogram Model" - GEO 866 Spatial Data Analysis, MSU
Oct. 2019

"Collaboration and Partnerships" - GEO 425, MSU
Apr. 2019

WEB-GIS APPLICATIONS

* Undergraduate student co-author

"[Live and Learn Report Web-Application](#)". *Mei, H., *Thomey, K., Shields, T., and Redican, K., Created and launched in 2025. (>5,000 views)

This is the website that was created out of the Live and Learn Report 2.0. It has interactive maps and the ability for anyone to create and print their own map.

"[Virginia Data Center Proximity Application](#)." *Cassady, S., Zizzamia, E., Finley-Brook, M., and Redican, K., Created and Launched in 2024. (>2,750 views)

This is the website that was created for Dr. Mary Finley-Brook's eAlrth research team through a co-mentored summer research fellowship. The application allows users to search at their chosen distances around a location (ideally a data center or proposed location) to see how they related to the VA Senate Bill 1449 and House Bill 1601 (bills were vetoed and not passed).

"[Jackson Ward 1950 Census People Search](#)". Created and launched in 2023. *Delroba, E., *Quach, M., Cassady, S*, Zizzamia, E., and Redican, K., (> 1,000 views)

This web application was one of the deliverables for the City of Richmond Grant, that employed students to digitize the 1950 census records for the Jackson Ward area of Richmond. The application takes the 1950s

census data, placing them on a mosaiced georeferenced Sanborn maps surface, and allows user to search for any individual by name

UNIVERSITY AND DEPARTMENTAL SERVICE

Student Co-Curricular and Academic Initiatives Committee (SCCAIC), A&S At-Large Member	2024 – Present
University of Richmond - University Committee	
Data Analytics / Data Science (DADS) Committee, Member	2022 – 2023
University of Richmond - University Committee	
Diversity, Equity, and Inclusion Committee, Member	2020 – 2021
Michigan State University - Department of Geography	
Faculty-Graduate Student Relations Committee, Member	2020 – 2021
Michigan State University - Department of Geography	
Departmental Chair Search Committee, Graduate Student Member	2020 – 2021
Michigan State University - Department of Geography	
GIS Curriculum Committee, Member	2019 – 2020
Michigan State University - Department of Geography	
Geography Colloquium Committee, Member	2018 – 2019
Michigan State University - Department of Geography	

ACADEMIC ADVISING

Term	Year, Term and Year	Number of Undeclared Undergraduate Students Advised	Number of Declared (Major) Undergraduate Students Advised
Spring	2025	5	4
Fall	2024	7	4
Spring	2024	6	1
Fall	2023	6	1
Spring	2023		1

GRADUATE STUDENT COMMITTEES

Qianlin Chen - M.S. Geography, Michigan State University	2020 – 2023
"A Critical Analysis of Hainan's Urban Resilience in the Context of Covid-19"	
Megan Kolioupoulos - M.P.P., Michigan State University	2017 – 2019
"Water Shut-Offs in Michigan and Public Policy Implications"	

PROFESSIONAL MEMBERSHIPS

American Association of Geographers (AAG)	2016 – Present
Southeastern Division AAG (SEDAAG)	2022 – Present
Virginia Association for Mapping and Land Information Systems (VAMLIS)	2022 – Present
American Planning Association (APA)	2015 – 2016

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AD HOC REVIEWER

Utilities Policy, Elsevier (Q1) - Recognized Reviewer
Journal of Geography in Higher Education, Taylor & Francis (Q1)
Transactions in GIS, Wiley (Q1)
Journal of Geography, Taylor & Francis / NCGE (Q2)
PLOS ONE, Public Library of Science (OA)
Frontiers in Public Health, Frontiers Media (OA)

GRADUATE RESEARCH APPOINTMENTS

Graduate Research Assistant, Urban Water Innovation Network Grant Michigan State University, East Lansing, MI	Aug. 2016 – May 2017
Graduate Research Associate, MSU Institute of Public Utilities	2019 – 2022

MEDIA MENTIONS

"University of Richmond Faculty, Staff and Students Organize Neighborhood Tree Planting in Jackson Ward." *Richmond News*. (November 12, 2025). [https://news.richmond.edu/releases/article/-/27252/university-of-richmond-faculty-staff-and-students-organize-neighborhood-tree-planting-in-jackson-ward.html?utm_source=www&utm_medium=referral&utm_campaign=releases-story]

"Richmond Researchers Impact a Neighborhood One Tree at a Time." *UR Now*. (December 5, 2025). [<https://urnow.richmond.edu/features/article/-/27396/richmond-researchers-impact-a-neighborhood-one-tree-at-a-time.html>]

"Mapping the Impact of GIS." *SPCS Feature Stories*. (September 24, 2025). [https://spcs.richmond.edu/features/article/-/26637/mapping-the-impact-of-gis.html?utm_source=news&utm_medium=referral&utm_campaign=features-story]

"Opportunity Hoarded, Futures Denied: New Maps Point to Needed Change." *Richmond Free Press*. (August 7, 2025). [<https://richmondfreepress.com/news/2025/aug/07/opportunity-hoarded-futures-denied-new-maps-point-to-needed-change-by-laura-dobbs/>]

"University of Richmond Launches Interactive Site Exploring Link Between Housing, Education Inequities." *ABC 8 News*. (July 17, 2025). [<https://www.wric.com/news/local-news/richmond/university-of-richmond-launches-interactive-site-exploring-link-between-housing-education-inequities/>]

"Data Centers Have Generated Millions of Dollars in Tax Revenue for the Commonwealth." *Virginia Public Media (VPM News)*. (July 8, 2024).

GIS LAB LEADERSHIP

As Director of the Spatial Analysis Lab, responsibilities extend beyond teaching to include supervising student interns, organizing public GIS programming, and providing geospatial consulting to faculty, students, and community partners.

Student Intern Supervision

30+ student interns supervised - GIS help desk and lab support

Fall 2022–Present

GIS Speaker Series - Events Organized

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Mark Lecher (ESRI Account Manager). "The Power of Maps."

October 3, 2025

Maggie Cawley (President, OpenStreetMap US) and Latoya Gray-Sparks (Virginia DCR). "My Path to GIS." GIS Day Keynote.

November 15, 2024

Steve DeRoy (Firefly Maps) and Transboundary Commission of the Juruá/Yurúa River. "Braided Knowledges for a Sustainable Future." Roundtable Discussion.

November 17, 2023

GIS Day Competition Events - Created and Organized

MapRVA Sidewalk Mapping Competition - students mapped sidewalks in Richmond's Northside from satellite imagery in partnership with MapRVA.

September 29, 2025

"Georef-athon: Sanborn Maps in Richmond" - in partnership with the UR Digital Scholarship Lab; 20 students georeferenced 97 historic maps in 30 minutes.

November 13, 2024

Geospatial Project Consulting

Ongoing geospatial consulting provided to faculty, student researchers, and community partners across a range of disciplines and projects. *Fall 2022–Present*