Alessandra Recalde

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PROFESSIONAL SUMMARY

Graduate student with a background in Geography and Civil & Coastal Engineering research. I developed innovative gravity models to predict evacuation behaviors during Hurricane Ian and had the opportunity to present my findings at the Transportation Research Board (TRB) Annual Meeting Poster Session. I am passionate about leveraging advanced GIS techniques and quantitative analysis to solve real-world problems and am planning to continue my academic journey by pursuing a PhD in Civil Engineering.

EDUCATION

University of Florida   Gainesville, FL

Masters of Science in Geography   Expected December 2025
Specialization : Geographic Information Systems
GPA: 3.98

Bachelor's of Science in Geography   Graduated May 2024
Certificate in Geospatial Information Analysis
GPA: 3.87

WORK & RESEARCH EXPERIENCE

Transportation Research Board Annual Conference   Washington D.C., MD
Presentor   January 2025
- Presented my paper on gravity models applied to Hurricane Ian, showcasing innovative research in evacuation behavior analysis.

University Athletics Association   Gainesville, FL
Content Tutor   August 2024 - Present
- Provide academic support to University of Florida student-athletes in Earth Science, Introduction to Chemistry, and GIS techniques courses.

University of Florida Department of Civil and Coastal Engineering   Gainesville, FL
Research Assistant   May 2024 - Present
- Developed a gravity model to predict destination choices for evacuees from Lee County during Hurricane Ian in 2022.
- Currently testing various home location detection algorithms to improve methodological precision in geospatial analysis.

University of Florida Geo-Facilities Planning & Information Research Center   Gainesville, FL
Geolocation Editor   May 2023 - June 2024
- Read through traffic accident reports and verified geolocation on Signal4Analytics.com for multiple counties
- Effectively sat in front of a computer and interpreted geographical information for hours at a time

University of Florida Emerging Pathogens Institute   Gainesville, FL
Non-Clerical Student Lab Assistant   August 2022 - August 2023
- Biosafety Level-2 Lab maintenance
- Shadowed post-doctorate students conducting research revolving pathogen development
- Learned lab technical skills (micropipetting, cell culturing, autoclaving, fume hood techniques, passaging cells, etc.)

SKILLS

- Microsoft Word (2019 Associate Certification)
- Microsoft Excel
- ArcMap & ArcGISPro
- NetLogo
- R Studio
- Entry-level knowledge of Python and JavaScript
- Image editing on Gimp and Inkscape
- Florida Gold Seal of Biliteracy for the Spanish Language (2019)