RUI JIANG

Phone: +1-7179892176 | Email: r.jiang@ufl.edu | https://rumron.github.io/

EDUCATION

MS in Urban Analytics, University of Florida | Gainesville FL   08/2025-Present
- Course: Introduction to Planning Information Systems; AI in the Built Environment; Fundamentals of ML

MS in Applied Geosciences, University of Pennsylvania | Philadelphia PA   09/2020-12/2022
- GPA: 3.87/4.00
- GIS & Spatial Analysis Certificate

BA in Environmental Science, Franklin and Marshall College | Lancaster, PA   09/2016- 05/2020
- GPA: 3.34/4.00
- Honors & Scholarships: Honors List (Spring 2019), Hackman Scholarship (Summer 2019), Dean's List (Fall 2019)

RESEARCH PROJECTS

The Water Center at the University of Pennsylvania   *Philadelphia, PA*
Research Assistant & GIS Analyst/ Supervisor & Senior Research Program Coordinator: Jazmin Ricks
Building a Best Management Practices (BMPs) Selection Platform Based on GIS Skills and MCDA, 09/2022-04/2023
- Employed a triple-bottom-line approach to investigate the process utilities follow. The analysis mainly focused on selecting adaptive volume and implementing pollutant source control Best Management Practices (BMPs) for wet weather events;
- Utilized ArcGIS for spatial analysis and developed a user-friendly dashboard tool for data interpretation;
- Analyzed and ranked management practices based on their performance against weighted criteria using MCDA techniques, including the Analytic Hierarchy Process and the Technique for Order Preference by Similarity to Ideal Solution.

Assessment of Water Quality and Recreational Suitability of the Delaware River   10/2020-08/2022
- Utilized GIS skills to evaluate the anticipated outcomes of planned investments and predict the suitability of water quality for recreational activities in the Delaware River;
- Collected and analyzed GIS data to monitor and assess developments in related industries;
- Used Python to facilitate data visualization, explored data values, and performed spatial analysis using ArcGIS;
- Completed a comprehensive story map for the project and regularly updated the maps to maintain data integrity and improve overall precision.

Research Assistant/Supervisor: Dr. Timothy Daniel Bechtel   *Lancaster, PA*
Determine The Provenance of Ballast Rock from East Mozambique   08/2018-05/2021
- Conducted fieldwork in China, collected rock samples, and used major trace tests to uncover valuable insights;
- Utilized an XRF spectrometer to analyze thirteen rock samples for major and trace elements;
- Designed and presented a poster highlighting research findings at the prestigious F&M 2019 Autumn Research Fair.

Research Assistant/Supervisor: Dr. Andrew De Wet   *Lancaster, PA*
GIS-Based Analysis of Archaeological Landscapes using Remote Sensing and Digital Elevation Models
                    09/2017-12/2017
- Utilized remote sensing data and digital elevation models to perform GIS-based analysis, revealing spatial characteristics of past geoarchaeological landscapes;
- Applied spatial analysis techniques to explore relationships between archaeological features and their environments.

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PROFESSIONAL EXPERIENCES

Shanghai TSP Wind Power Equipment Co., Ltd. *Shanghai, CHN*
Market Analyst in the Marketing Center **11/2023-04/2024**
- Coordinated domestic and overseas market research initiatives for the renewable energy sector, contributing to industry benchmark analysis and project management;
- Utilized Excel to identify market trends, assess customer needs, visualize data, and facilitate business expansion;
- Assisted in managing the company's Environmental, Social, and Governance (ESG)-related business activities, including establishment of an ESG framework and development of future ESG planning.
- Maintained customer relationships, prioritized customer retention and worked towards improving customer loyalty through customer analysis.

Shanghai Superior Choice Brand Management Co., Ltd. *Shanghai, CHN*
Technical Specialist **06/2023-11/2023**
- Created development plans, implementing powerful platform tools to streamline workflows;
- Provided decision support using data analysis, trend analysis, and technical innovation;
- Resolved collaboration issues, fostered teamwork, and enhanced productivity.

CECEP Environmental Consulting Group Ltd. *Shanghai, CHN*
Sustainability Intern **11/2022-05/2023**
- Drafted and Proofread ESG reports for clients including BMW Brilliance, L'Oréal China, TPV, Aluminum Corporation of China, Global Logistic Properties Ltd., Seazen, Sateri, and Landsea;
- Collected and translated data and news; performed data cleansing and conducted quantitative analyses using Excel.

Lancaster Conservancy *Lancaster, PA*
GIS Analyst in the Department of Earth and Environment, Franklin and Marshall College **03/2020- 05/2020**
- Georeferenced aerial images from the Fishing Creek Watershed taken between 1957 and 1962;
- Utilized GIS technology to assess land-use and landscape changes in response to climate change.

ADDITIONAL

Languages: Chinese (Native), English (Fluent), Japanese (Intermediate), German (Elementary);
Computer Skills: ArcGIS Pro, ArcGIS Online, Python, Java, R, SPSS, Final Cut Pro;
Online Courses: Sustainable Regional Principles, Planning and Transportation (Coursera), Learning AutoCAD (LinkedIn Learning), Python for Everybody Specialization (Coursera), AI for Everybody Specialization (Coursera), Linear Algebra for Machine Learning and Data Science (Coursera).