Rui Jiang

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https://rumron.github.io/

EDUCATION

MS in Applied Geosciences, University of Pennsylvania   09/2020-12/2022
- **GPA:** 3.87/4.0   *Philadelphia PA*
- **Design Professional Certificate** of GIS & Spatial Analysis

A in Environmental Science, Franklin and Marshall College   09/2016- 05/2020
- **GPA:** 3.34/4.0   *Lancaster, PA*
- **Honors & Scholarships:** Honors List (Spring 2019), Hackman Scholarship (Summer 2019), Dean's List(Fall 2019)

RESEARCH EXPERIENCE

The Water Center at University of Pennsylvania

Research Assistant & GIS Analyst; Supervisor & Senior Research Program Coordinator: Jazmin Ricks   *Philadelphia PA*

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 in selecting adaptive volume and pollutant source control BMPs for wet weather events.
- Conducted an extensive literature review and facilitated workshop coordination with key stakeholders.
- 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 the 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 and explored the value of the data and performed spatial analysis using ArcGIS.
- Completed a comprehensive story map for the project and regularly updated the maps based on the latest data to maintain data integrity and improve overall precision.

Determine the Provenance of Ballast Rock from East Mozambique   08/2018-05/2021

Research Assistant; Supervisor: Dr. Timothy Daniel Bechtel   *Lancaster, PA*
- Conducted fieldwork in China, collected rock samples and used major trace tests to analyze for valuable insights.
- Utilized an XRF spectrometer to analyze thirteen rock samples for major and trace elements.
- Engaged in group discussions to exchange updates, share knowledge, and enhance the overall research project.
- Prepared and presented a poster highlighting the research findings at the prestigious F&M 2019 Autumn Research Fair.

GIS-Based Analysis of Archaeological Landscapes using Remote Sensing and Digital Elevation Models   09/2017-12/2017

Research Assistant; Supervisor: Dr. Andrew De Wet   *Lancaster, PA*
- Utilized remote sensing data and digital elevation models for GIS-based analysis in an archaeological area, revealing spatial characteristics of past geoarchaeological landscapes.
- Applied spatial analysis techniques to explore relationships between archaeological features and their environments.
- Effectively communicated final research findings to diverse audiences.

PROFESSIONAL EXPERIENCE

Shanghai TSP Wind Power Equipment Co., Ltd.   11/2023-Present

Market Analyst in the Marketing Center   *Shanghai, CHN*
- Coordinated domestic and overseas market research initiatives for renewable energy sectors, 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 overall planning and the establishment of an ESG framework.
- Utilized scientifically quantified reporting methods to effectively disclose information.
- Maintained customer relationships and prioritized customer retention and worked towards improving customer loyalty.

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Shanghai Superior Choice Brand Management Co. Ltd.   06/2023-11/2023

Technical Specialist   *Shanghai, CHN*

- Developed development plans aligned with business goals, implementing powerful platform tools to streamline workflows.

- Provided valuable decision support using data analysis, trend analysis, and technical innovation.

- Resolved collaboration issues, fostered teamwork and enhanced productivity.

CECEP Environmental Consulting Group Ltd.   11/2022-05/2023

Sustainability Intern   *Shanghai, CHN*

- Drafted 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.

- Proofread English versions of reports, ensuring grammatical accuracy and clarity.

- Collaborated with internal teams to ensure timely delivery of reports and address client requirements.

Lancaster Conservancy   03/2020- 05/2020

GIS Analyst in the Department of Earth and Environment, Franklin and Marshall College   *Lancaster, PA*

- 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.

OTHERS

Computer Skills: ArcGIS, Python, Java, CAD, SPSS, Final Cut Pro

Online Courses: Sustainable Regional Principles, Planning and Transportation (Coursera), Learning AutoCAD (Coursera), Python for Everybody Specialization (Coursera)

Languages: Chinese(native), English(advanced), Japanese(moderate), German(elementary)