


# Rui Jiang

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## EDUCATION

**Franklin and Marshall College** Sep 2016 - May 2020  
Bachelor of Arts: Environmental Science Lancaster, PA, USA  
Honors & Scholarships: Honors List (Spring 2019), Hackman Scholarship (Summer 2019), Dean's List (Fall 2019)  
**University of Pennsylvania** Sep 2020 - Dec 2022  
Master of Applied Geosciences Candidate Philadelphia, PA, USA  
Relevant Coursework: Environmental Groundwater Hydrology; Applied and Environmental Geophysics; Geomechanics; Land Use and Environmental Modeling; Data Analysis in Earth Science; Organizational Project Management

## CERTIFICATIONS

### Geographical Information Systems and Spatial Analysis Certificate

University of Pennsylvania(Dec 2022)

## PROFESSIONAL EXPERIENCE

**The Water Center at Penn** Oct 2020 - Jul 2022  
GIS analyst Philadelphia, PA, USA

- Use GIS skills to help evaluate expected results of planned investments to predict when and where the water quality of the Delaware River (a 27-mile stretch between Philadelphia, Camden, and Chester) could support swimming.
- Data Analysis: Follow up on the development in related industries, responsible for completing the collection and analysis of GIS data, exploring the value of data, as well as providing spatial analysis in order to realize data visualization;
- Data Maintenance: complete the storymap for the project, maintain and optimize the online map and storymap according to updated data to improve accuracy.

**Department of Earth and Environment at Franklin and Marshall College** Mar 2020 - May 2020  
GIS analyst Lancaster, PA, USA

- Georeferenced 1957-1962 aerial images from the Fishing Creek Watershed for Lancaster Conservancy to assess land-use and landscape changes responding to climate change.

**iQiyi (online video platform)** Jun 2018 - Jul 2018  
Summer Intern Shanghai, China

- Product Planning: Provided support for new phone game projects & presented market surveys and reports; participated in the planning and execution of new products, helped do the market research, followed up on the progress, and gave feedback to solve problems; have successfully completed some products like "iQiyi Bubble";
- Resources Coordination: Cooperated and communicated with customers, maintained a good relationship with them; have once conducted business with China Merchants Bank and got satisfying results.

**LaoTu (Social enterprise)** Jun 2017 - Jul 2017  
Summer Intern Sichuan, China

- Interviewed local people about their live hood after Wenchuan earthquake;
- Made analysis, presented the report, and planned events with local government and museums to spread local culture.

## RESEARCH EXPERIENCE

**Determine the provenance of ballast rock from East Mozambique** Aug 2018 - Present

- Collected rock samples from China; Analyzed samples using major trace tests; Discussed with team members from different countries on updates; Reported progress and proposed next steps to the research team; Prepared and presented the poster in F&M 2019 Autumn Research Fair.

## SKILLS LIST

- **Skills:** ArcGIS (Geographic information system), AutoCAD, Python, Java, SPSS, VBA (Visual Basic for Applications), Adobe Photoshop, Final Cut
- **Languages:** Chinese (Native), English (Full Professional Proficiency), Japanese (Limited Working Proficiency)
- **Interests:** Badminton, Piano, Guitar