HANG TIAN

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EDUCATION

Syracuse University, School of Information Studies, Syracuse, NY | August 2023 - Present

M.S.| Applied Data Science
- *Relevant Coursework:* Database Management | Business Analytics

State University of New York at Buffalo, Geography department, Buffalo, NY | August 2021 - May 2023

M.S.| Geographic information science
- 3.96/4.0

Nanjing University, School of Geography and Ocean Studies, Nanjing, China | September 2017 - June 2021

B.S.| Human geography

EXPERIENCE

Research Assistant, SUNY - University at Buffalo, Buffalo, NY | June 2022 - June 2023
- Partnered with team of 4 geographers to help on multiple tasks throughout research
- Utilized data processing, storing tools such as Python, R and PostgreSQL to acquire, clean and save geographic data from multiple sources
- Created multiple mathematic plots and geographic maps to give insight to research projects with R, ArcGIS and Python
- Tracked essential information and summarised a to-do list in every group meetings to optimise efficiency and aid interaction

PROJECTS

UB Geohealth Lab / Research Assistant | January 2022 - June 2023
- Collaborate with team of 3 researchers to conduct data analysis for a better understanding of PM2.5 exposure on bike-sharing system users in Chicago, IL
- Retrieved and organised PM 2.5 monitoring data from JSON file via Microsoft research team API with Python programming
- Utilized data analytical and visualization tools including R & ggplot2 package, Python to deliver insights on where, when and why people are using Divvy bike-sharing program
- Developed materials and created multimedia presentations for weekly group meetings

UB Advanced RS Self-Research / Main Researcher | January 2022 - May 2022
- Cooperated with team of 2 remote sensing specialists to build a predictive models based on Landsat 8 remote sensing DN values to quantitatively retrieve ground temperature
- Applied machine learning approach, Random Forest Regression with supplementary data sources to improve predictive accuracy by 30%

TECHNICAL SKILLS

- Programming Languages: Python, R, SQL
- Database Management: SQL, PostgreSQL
- Software: MS Excel, MS Word, MS PowerPoint, MS Outlook