

Miliya

Mobile: 1-343-268-2783 | Email: l8mi@uwaterloo.ca | Location: 275 larch st, ON, N2L 0J1 | Geoscience (4B)

EDUCATION

China Agricultural University Geomatics (Bachelor)

2018.09-2020.06

Awards/Honors: Third-class academic scholarship in 2018-2019
Excellence scholarship for cultural activities in 2018-2019

Highlighted Courses: Data Structure, Database Principle and Application, Principal of Geographic Information System, Spatial Analysis and Geostatistic, Visualization of Spatial Information, Quantitative Remote Sensing and Agricultural Applications, Agricultural Resource Information System, Spatial Data Processing and System Development

University of Waterloo Environmental Science- Geoscience (Bachelor)

2020.09-Exp 2022.12

Highlighted Courses: Geomorphology and GIS Application, Physical Hydrogeology, Introductory Structural Geology, Environmental and Sustainability Assessment, Method in Geological Mapping, Special Topics in Earth and Environmental Sciences

WORK EXPERIENCE

Land Resources Administration of Baotou City, Inner Mongolia, China Mapping and Geomatics Department

2021.01-2020.03

- Report errors in geographic information database system.
- Make maps as conference materials using ArcGIS.
- Assist daily networking management.

RELEVANT THESIS, PROJECT OR ASSIGNMENT

Data labeling-Visual Interpretation of Land Cover Project:

2020.11-2021.01

- Interpret Landsat images visually to obtain land covers of sample points.
- Use Google Earth Engine to extract NDVI time series to assist visual interpretation.
- Provide labeled data set to support research on landcover detection based on machine learning.

Covid-19 Data Visualization System Project:

2021.03-2021.07

- Collaborated to build a web-based mapping displaying covid 19 data.
- Create domestic and global Covid-19 map animation using Python.
- Sense public opinion on covid-19 through crawling social media-Weibo using python.
- Machine learning-based prediction of covid-19 diagnosis in different countries.

Agricultural Resource Information System Project:

2021.03-2021.07

- Use software development method to analyze and design an agricultural resource information system for test plots to assist the farming teaching and learning activities.

Visualization of multi-source remote sensing land water cycle data project:

2021.03-2021.07

- Data processing using k-means clustering.
- Create 3D graph using matplotlib.

VOLUNTEER EXPERIENCE

- Accumulate 378 volunteer hours from 2018 to 2019 and precipitate in 9 volunteer programs.
- Volunteer, Beijing International Horticultural Exhibition in 2019
- Peer mentor volunteer, University of Waterloo and Renison University College in 2021 summer

SKILLS

- Familiar with ArcGIS, ENVI and Microsoft Office
- Program in Python, C#,C++ and SQL
- Bilingual: English (Fluent), Mandarin (Native)