

YIQING WU

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EDUCATION

University of Waterloo Waterloo, ON
Bachelor of Environment Study Expected Oct. 2021

- Honours Geomatics
- Relevant Coursework: Advanced Geography Information System, Advanced Remote Sensing, Spatial Analysis, Spatial Databases, Geodesy and Surveying, Computer Science.

WORK EXPERIENCE

Ontario Ministry of Transportation Downsview, ON
Pavement Evaluation Data Analyst May 2020 – Dec 2020

- Cooperated with colleagues to assess data qualities of pavement data and provided feedbacks.
- Analyzed the pavement Radar data of cracks, ruts, and international roughness index (IRI) for provincial highways.
- Summarized results and generated short report of pavement conditions.

Agriculture and Agri-Food Canada Ottawa, ON
Geomatics Technician Sept. 2019 – Dec. 2019

- Prepared soil predictive mapping data of farms and watersheds in Ontario and Quebec through open source GIS software.
- Generated hydrological flow maps of watersheds for cooperative groups.
- Programmed in Python for ArcGIS to analyze national climate data efficiently.
- Prepared training documentations and technical requirements.

Ontario Ministry of Transportation Downsview, ON
Geomatics Plan Technician Jan. 2019 – Apr. 2019

- Created sample maps of ServiceOntario and DriveTest for indigenous branch.
- Designed and improved survey templet for Energy Absorbing System, also tested with fieldwork group cooperatively.
- Sketched provincial highway drawing into online datasets, also georeferenced highway ramps with aerial images.
- Self-checks all work performed to ensure accuracy prior to turning it over to clients.

SCHOLARSHIP AND AWARDS

- University of Waterloo President's Scholarship 2018
- Faculty of Environment Entrance Scholarship 2018
- Association of Ontario Land Surveyors Award 2020

SKILLS

- Familiar with ArcGIS, QGIS, AutoCAD, ENVI, Geomatica, and Microsoft Office
- Programme in Python and SQL
- WHMIS certificate
- Bilingual: English (Fluent), Mandarin (Native)

➤ **REFERENCES AVAILABLE UPON REQUEST**