

A GIS Analyst with strong attention to data accuracy and experience in flooding forecast, who will bring technical skills in Esri ArcGIS (ArcMap, Pro, Online), AutoCAD, Python (ArcPy) and SQL as a GIS Technician. Legal to work in Canada.

WORK EXPERIENCES

GIS Analyst
[Previsico Asia Ltd.](#)

Jan 2021 – Present

- Performed all aspects of GIS activities associated with creating, managing, editing, mapping, and analyzing database queries for US pre-processing raster, shapefile, imagery and LiDAR data in SQL/ ESRI software.
- Built automated tools by setting up internal model with Model Builder on ArcMap, ArcGIS Pro, Arcpy and provide the best approach to process and analyse data in the most effective way.
- Took responsibility for river studies, flooding forecast modelling FloodMAP to predict the magnitude of future extreme events.
- Calibrated Digital Terrain Model (DTM) and flood model results with the past meteorological events.
- Produced scripts in coding language such as conducting GIS data processing (ArcPy) and web scraping for data with Python and HTML that helped product testing.
- Developed organizational skills by working in multiple GIS projects simultaneously and delivered a QC project with >90% accuracy.
- Reviewed, debugged, and developed project-based issues (e.g. troubleshooting model output errors), maintaining system SQL/Python/GIS models.
- Assisted with technical reports by providing data production, mapping, and analysis support with ArcGIS Online, Story Maps/ Web App Builder to management and clients.
- Researched, interviewed with government agencies and clients, map reviews, land use surveys, and socioeconomic analysis for collecting project-related data as required

Assistant Engineer
[Bachy Soletanche](#)

Sep 2018 – April 2019

- Provided transportation planning services for transit agencies with using logistic software HAMU, Revit and AutoCAD
- Experienced in innovative deep cement mixing methods for building foundations within the ocean.
- Liaised with various stakeholders by resolving conflicts between clients and construction workers in technical feasibility.

TECHNICAL, LANGUAGE SKILLS & OTHERS

- **Technical:** MS Office, GIS (ArcMap, ArcGIS Pro, ArcGIS Online), Programming (SQL, Python), AutoCAD and Revit
- **Language:** Fluent in verbal and written English, Cantonese and Mandarin.

EDUCATION

Dec 2020 **M.Sc Environmental Engineering**
Hong Kong

- University of Hong Kong
 - Dissertation: Evaluated performance of urban ponds in the UK by using SWMM and GIS.

Jul 2019 **B.Eng Civil Engineering (2nd-class in division 1 honour)**
UK

- University of Sheffield
 - Application of Python and ArcGIS on evaluating the quality of rain gauge data in Sheffield, UK.