

Jiajie Xu

PH9 – 695 Academy Way
Kelowna, BC V1V 3A4

(416) 824-4182
jiajie.xu@hotmail.com

OBJECTIVE:

Seeking a full-time in training position related to Geo-Environmental Science

HIGHLIGHTS OF QUALIFICATIONS:

- ArcGIS analysing skill for geographic information
- Auto CAD graphing skill for 2-Dimension mechanical and architectural drawing
- HEC-RAS modeling for the hydraulics of water flow through natural rivers and other channels
- Practical skills on Natural Channel Design by using software
- Certificated in SOLIDWORKS – ASSOCIATE Mechanical Design
- Certified in C level CPR License
- Field work experience with technical knowledge related to Ecology and Restoration for habitat and water assessment in river, lake, forest, and wetland evaluation as well as classification

WORK EXPERIENCE:

Field/Lab Technician

June 2015 - July 2016

GeoPro Consulting Ltd., Toronto, ON, Canada

- Supervised Geo/Environmental drilling and inspecting soil and groundwater condition including on field soil sample identification and borehole log recording
- Supervised test pits excavation for geotechnical, environmental and civil engineering purpose including soil sampling, soil condition inspecting and footings exploring
- Performed topographic survey and slope measurement for geotechnical purpose by using total station and level
- Performed water sampling and groundwater level measurement through monitoring well
- Performed onsite inspection including excavating and backfilling inspection for the soil subgrade of construction area
- Performed onsite soil subgrade, granular base/sub-base and asphalt compaction test and material sampling
- Performed proof rolling inspection for soil subgrade and granular base/sub-base
- Performed concrete testing including slump/slump flow and air meter test with concrete cylinder casting
- Supervised and performed soil sample lab testing including grain size (hydrometer and sieve test) test, moisture content analysis, proctor compaction test and atterberg limits test
- Conducted lab data inputting and report/graph adjusting and outputting
- Performed traffic control in construction area

Assistant

August 2016 – April 2019

KVN Auto Services, Markham, ON, Canada

- Design and edit administrative procedures based on business needs and requests of management staff
- Create and input clients' information to office system according to administrative procedures
- Plan mechanics' schedules and arrange mechanics to designated clients in order to ensure that works are reasonably allocated

ESSENTIAL SKILLS:

- Strong analytical and field/lab practical skills
- Creative thinking and problem-solving skills
- Fast learning and adapting promptly to changes
- Languages: English and Chinese

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EDUCATION:

Earth and Environmental Science – Bachelor of Science
University of British Columbia, Kelowna, BC, Canada

September 2019 - Present

Relevant courses:

- Limnology
- Fluvial Geomorphology
- Soil Science
- Geospatial Information Science
- Oceanography
- Stratigraphy and Sedimentology

Academic Projects:

- Conducted physical, chemical, and biological analysis and report writing for limnological study on Bever Lake in Okanagan Valley
- Performed hydraulic flow modeling by HEC-RAS and researching on Creighton Creek in Okanagan Valley
- Performed summary statistics, digital terrain analysis, spatial pattern analysis, geostatistics and interpolation by ArcGIS

Environmental Protection Technology - Advanced Diploma Program
Centennial College, Toronto, ON, Canada

June 2015

Relevant courses:

- Applied Environmental Microbiology & Analysis
- Ecology and Bioregionalism
- Analytical Chemistry
- Biochemical Analysis
- Environmental Audits, Sampling and Data Management
- Topographic Surveying and Soils and Groundwater

Academic Projects:

- Conducted lab experiments/fieldwork in different courses in environmental field including the study and the related skills of chemical, biological and physical properties of objects
- Performed ecological site assessment and analysis in river, wetland, forest and park within GTA area
- Determined the identification of an unknown microorganism by utilizing micro-bio lab skills
- Utilized GPS and topographic surveying equipment to determine the onsite elevation, area, information of total station, angles and bearings, contour plans, different in elevation and volume computations
- Conducted Phase I environmental site assessment including the site visit, interview and report writing

Bachelor of Mechanical Engineering

Guangzhou College of South China University of Technology, Guangzhou, China

June 2011

Academic Projects:

- Performed practical skills training in workshop for manufacturing relevant to mechanical engineering
- Performed PLC programming for semi-automatic milling machine and the circuit diagram design

REFERENCES:

Available upon Request