

Zhaoming Jiang

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54 Denlaw Road, London, ON, N6G 3L4

SUMMARY OF SKILLS

- Soil, sediment and water samples processing and geochemical analysis
- Data recording, analysis, and interpreting; database management
- High adaptability in various field environments
- Microsoft Office (Word, Excel, Powerpoint); CorelDraw; Photoshop; AutoCAD; MapGiS in the field work
- Remarkable problem-solving and interpersonal skills developed through 4 years' leadership experience of student teams
- A creative multi-tasker, with a detail-oriented attitude and good resilience in a fast-paced environment

EDUCATION

Western University, London, Ontario, Canada 09/2017-08/2018

- Major: M.Sc. in Earth Science; Specialization: Stable Isotope Geochemistry

China University of Geosciences, Wuhan, Hubei, China 09/2012-06/2016

- Major: B.Sc. in Earth Science

WORK EXPERIENCE

Research Assistant 10/2018-12/2018

Dr. Patricia Corcoran's Lab at Western University in London, Ontario

- Separated micro-plastics from sediments in perfect condition for further chemical analysis, and mastered filtering, rinsing and storing techniques used for micro-plastics
- Selected, grouped, measured and analyzed plastics in **93 sediment samples from Great Lakes**; concluded the relationship between sizes of plastics and sediments, supporting the research on the **environmental sustainability** of Great Lakes
- Demonstrated initiative in the **routine management** of a lab when assisting in writing work summary reports, ordering chemical products and maintaining instruments; exchanged ideas with other staffs timely by email or in the meeting, promoting **transparent communication** in the lab

RESEARCH EXPERIENCE

Graduate Project: The factors controlling nitrogen isotope variation in grape-planting soils and the significance of nitrogen isotope on Pelee Island, Ontario 10/2017-08/2018

- Gained hands-on soil collecting experience through using Gas-Powered Core Sampler to complete systematic **soil drilling** and **sampling** at **19** locations on Pelee Island
- Observed 78 soil samples and compiled detailed soil description reports in Excel; compared each location scientifically in order to conclude the features of varying soils across Pelee Island
- Performed **seismic refraction surveys** at 13 locations on Pelee Island to measure the depth of bedrocks
- Operated Elemental Analyzer-Isotope Ratio Mass Spectrometer to test 108 soil, 33 leaves, and 15 fertilizer samples for isotopic composition; **recorded data** in spreadsheets and made **illustrative graphs**
- Gave **consulting suggestions** to staffs of **Pelee Island Winery** (the client) about the efficiency of their fertilizers, and provided them with insights into the influential factors of the quality of grape-planting soils

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FIELD EXPERIENCE

Planetary Sciences Field School in Arizona and Utah, USA 05/2018

Tectonic Geology Field School in Qinling, Shanxi Province, China 07/2015

Stratigraphy and Paleontology Field School in Zigui, Hubei Province, China 09/2014

Petrology Field School in Zhoukoudian, Beijing, China 07/2014

Coastal Geomorphology Field School in Beidaihe, Qinhuangdao, China 08/2013

- Established good habits of taking field notes and drawing detailed geological sketches in a busy environment
- Learned to utilize **MapGIS** software proficiently, and be able to complete **regional field mapping** with high efficiency and precision independently
- **5** different field schools provided diverse geological environments, allowing me to solve problems in the work from a multidisciplinary perspective

LEADERSHIP

Leaders of the Student Association and the Basketball Team

10/2012-06/2016

Earth Science Department at China University of Geosciences

- Managed 6 seasonal scientific colloquia, 8 social volunteer programs in vacations and conventional basketball games every semester
- Be responsible for planning, organizing and supervising activities, coordinated and distributed tasks to different teams, and communicated internally and externally; promoted the level of student participation by 50%
- Be honored with “**Excellent Worker**” by the university twice and the department three times

CERTIFICATES

- “WHMIS” and “Laboratory Safety and Hazardous Waste Management” certificates
- Patent Certificate of Electronic Code Anti-Theft Lock with Hiding Keyhole (No.: 201020039435.4)
- Patent Certificate of Ventilated and Easy-Cleaning Shoes (No.: 201020183222.9)
- Patent Certificate of Energy-Saving Soap Box (No.: 201020120942.0)