

Yuzhe Gan

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Education

Master of Science – Earth and Ocean Sciences

December 2024

University of Victoria, Victoria, British Columbia

Bachelor of Science Honours – Geology

May 2023

Acadia University, Wolfville, Nova Scotia

- **University Medal in Geology (highest academic standing within program)**
- **GPA 3.88/4.33**

Relevant Skills

- Proficient in using polarized light microscope (PLM) for mineral identification
- Advanced computer skills including research, data analysis, report writing and result presentation
- Expertise in using LA-ICP-MS, EPMA, and SEM instruments for mineral chemistry analysis
- Skilled in using professional software such as Iolite, QGIS, Iogas, Excel, Python, MATLAB, and RStudio for data reduction and presentation
- Expertise in data collection, compiling, analysis, and interpretation
- Proficient in soil sampling, sieving and analyzing
- Experienced in cutting and polishing rock samples
- Experienced in using QGIS to create regional geological maps
- Skilled in using GPS and compass to mapping outcrops
- Experienced in ore modelling and calculating grade of ores

Working Experience

Research Assistant

September 2023 – December 2024

University of Victoria, Victoria, British Columbia

- Developed and executed independent research projects in geology
- Drafted academic research proposals and comprehensive result reports
- Compiled literature data to build geochemistry database for global spinel peridotites
- Performed mineral chemistry analyses using LA-ICP-MS and EPMA

Teaching Assistant

September 2023 – December 2024

University of Victoria, Victoria, British Columbia

- Instructed lab sessions and review classes, providing support to students
- Answered students questions and inquiries
- Graded lab assignments, exams and field exercises

Research Assistant

Summer 2022 and Summer 2023

Acadia University, Wolfville, Nova Scotia

- Collected, prepared, and documented various of rock samples for analysis
- Used LA-ICP-MS, EPMA, and Raman Spectroscopy to analyze mineral chemistry
- Interpreted and synthesized collected data to draw geological conclusions
- Sieved and prepared soil samples

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Working Experience (continued)

Geology and Physics Teaching Assistant

September 2020 – December 2022

Acadia University, Wolfville, Nova Scotia

- Instructed students on the proper use of lab instruments and equipments
- Provided guidance and answered student inquiries during lab sessions
- Graded lab reports and assignments, ensuring accurate evaluation and constructive feedback

Volunteer Experience

Registration Desk Volunteer

May 2022

GAC – MAC – IAH – CNC – CSPG Conference, Halifax, Nova Scotia

- Greeted and welcomed conference attendees
- Assisted guests with registration process
- Answered attendee questions and directed them to the appropriate presentation rooms

New Students Orientation Leader

August 2019 – September 2022

Acadia University, Wolfville, Nova Scotia

- Assisted new students in settling into campus life
- Led orientation activities and provided guidance on university resources

Acadia Ambassador's Program

August 2019 – April 2021

Acadia University, Wolfville, Nova Scotia

- Welcomed new international students during orientation events
- Guided new international students to adapt to new environment
- Led event hosted by Wong International Center

Award and Achievements

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| • UVic Graduate Fellowships | 2024 |
| • UVic Graduate Awards | 2023 |
| • UVic Graduate Entrance Awards | 2023 |
| • University Medal in Geology | 2023 |
| • University Scholar | 2023 |
| • Honours Summer Research Award | 2022 |
| • Maurice Haycock Scholarship In Geology | 2021 and 2022 |
| • Acadia University Dean's List | 2020 and 2021 |
| • Reginald Moore Memorial Award in Geoscience | 2020 |
| • Ray International High School Scholarship | 2016 and 2017 |
| • University of Waterloo CEMC Galois Contest Certificate | 2016 |
| • Hubei Charity Federation Excellent Volunteer Award | 2016 |

Professional Affiliations

- Geological Association of Canada
- Atlantic Geoscience Society