

Ahmad Jalil

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EXPERIENCE

Northern Analytical Laboratory Services

November 2020 – Present

Research Assistant | September 2022 – Present

Prince George, BC

- Work both independently and in a team in a laboratory environment, performing tasks that involve collection and processing of samples using various instruments while maintaining and calibrating them
- Revamped invoicing system to automate payment tracking processes, reducing customer inquiries and improving overall customer satisfaction.
- Streamlined and optimized laboratory workflow by implementing new methods and protocols, resulting in an increase in sample processing efficiency.
- Authored and disseminated scientific papers and reports, contributing to the lab's knowledge base.

Student Research Assistant | November 2020 – September 2022

- Organize, review, and correct research data, creating illustrative graphs and charts for reports
- Process data using statistical software including Excel, Prism, and Rstudio, to facilitate thorough data analysis
- Apply graphic design skills (Photoshop, Illustrator, InDesign) to create various materials for the Northern Analytical Laboratory Services

Relentless Pursuit Ventures

May 2024 – August 2024

Health Technology Research Analyst (Intern)

Remote

- Conducted comprehensive research on health technology innovations for seniors in rural and remote communities across Canada.
- Identified and analyzed key stakeholders in the age-tech and healthcare sectors, including government agencies, healthcare providers, technology companies, and advocacy groups.

Northern Health

May 2024 – November 2024

PICS Intern

Prince George, BC

- Utilize Geographic Information Systems (GIS) software to analyze and map data relevant to public health concerns across Northern Health regions.
- Created and presented comprehensive GIS-based reports to high-level decision-makers to support informed decision-making on public health concerns.
- Developed a standardized database to track and analyze provincial-wide systems, enhancing data consistency and accessibility across Northern Health regions.

University of Northern British Columbia

January 2024 – May 2024

Teaching Assistant

Prince George, BC

- Contributed to the creation of an online resource hub for nutrition students, providing access to lecture notes, study guides, and additional learning materials.

VOLUNTEER

St. Vincent De Paul

December 2020 – Present

Service Volunteer

Prince George, BC

- Prepared and served meals to those in need, promoted community wellness, and efficiently managed the distribution of donated goods.

Rural eMentoring BC

September 2020 – Present

Highschool Mentor

Remote

- Cultivated a confidential, supportive mentorship with a high school mentee, providing guidance on personal and academic challenges to foster personal and educational development.

Over The Edge Newspaper Society

March 2024 – Present

Acting Editor-in-Chief

Prince George, BC

- Negotiated a printing deal with the main newsprint supplier in Prince George, securing the production of 22,000 copies per issue.
- Redesigned the newspaper's logo and brand image to modernize and align with current media trends.
- Conducted audience research to identify preferences and tailored content to increase engagement.
- Centralized information structures to streamline communication and enhance workflow efficiency.

Sparklab

September 2023 – Present

Technical Analyst

Prince George, BC

- Engage with researchers to understand their specific needs and challenges in laboratory and field environments.
- Design customized solutions using CAD (Computer-Aided Design) software to address the unique requirements of various research projects.

Univeristy of Northern British Columbia

September 2022 – Present

Research Ambassador

Prince George, BC

- Act as a primary liaison between students and the research community at UNBC, promoting engagement and participation in research activities.
- Organize and lead informational sessions and workshops to educate students about the research process, opportunities, and the significance of research contributions.

Northern Health

April 2023 – Present

Activity Volunteer

Prince George, BC

- Assist recreation therapists and engage in activities with residents at Rainbow Lodge & Gateway, a long-term care home and facilities, enhancing their daily lives and well-being.
- Provide emotional support and reassurance to dementia patients, helping them feel more secure and oriented in their environment.
- Deepen my understanding of patient-centered medicine through direct interactions, learning about residents' needs and perspectives.

EDUCATION

University of Northern British Columbia

September, 2026

P.hD, Natural Resources and Environmental Studies

Prince George, BC

- Focus on air quality and environmental health

University of Northern British Columbia

September, 2023 – August 2024

M.Sc., Natural Resources and Environmental Studies

Prince George, BC

- Focus on air quality and environmental health

University of Northern British Columbia

May, 2023

B.HSc., Biomedical Studies (Honours)

Prince George, BC

- Minor: Natural Resource Planning and Operations (Forestry).
- The Lieutenant Governor's Medal for Inclusion, Democracy and Reconciliation.

PROFESSIONAL DEVELOPMENT

Mohawk College

March, 2024

Digital Twins - Fundamentals, Techniques & Approaches

Remote

British Columbia Institute of Technology

May, 2023

Applied Internet of Things (IoT)

Vancouver, BC

Holland College

June, 2022

Building Envelope Science

Remote

John Hopkins University

December, 2021

Covid-19 Contact Tracer

Remote

CERTIFICATIONS & SKILLS

- **Certifications:** OFA Level 1; TCPS 2; Environmental Professional in Training (EPt)
- **Skills :** Power BI; Research Skills; GIS; R Studio; Brand Identity Maps; Analytical Nature; Adobe Suite; Business Process Reengineering; SPSS; logistics; Fluent in Arabic; Powerful Decision-Making Expertise; Grant Proposal

AWARDS

Canada Graduate Scholarships

Canadian Institutes of Health Research

April 2024

- The Canada Graduate Scholarships is designed to enhance the research skills and training of highly qualified personnel in health, natural sciences, engineering, and social sciences. This prestigious program is jointly administered by Canada's three granting agencies: CIHR, NSERC, and SSHRC, supporting students annually across all disciplines. The program selects scholars through a rigorous evaluation of their academic excellence, research potential, and personal competencies.

British Columbia Graduate Scholarship

The Ministry of Advanced Education, Skills and Training

April 2024

- The British Columbia Graduate Scholarship supports exceptional students at public post-secondary institutions across the province, with a focus on STEM and professional fields. Valued at \$17,500 the scholarships are merit-based and aim to attract top talent who contribute significantly to their disciplines. This initiative helps reduce financial barriers and promote educational innovation in British Columbia.

Lieutenant-Governor's Medal for Inclusion, Democracy and Reconciliation

Lieutenant Governor of British Columbia

May 2023

- The Lieutenant-governor's Medal for Inclusion, Democracy and Reconciliation recognizes outstanding contributions from UNBC's graduating class of over 700 students to promoting inclusion, democracy, and reconciliation within the UNBC community. The award recognizes exceptional leadership, advocacy, and commitment to creating a more inclusive and equitable campus environment.

Undergraduate Student Research Award

Natural Sciences and Engineering Research Council of Canada

April 2023

- Natural Sciences and Engineering Research Council of Canada Undergraduate Student Research Award, awarded for outstanding research contributions in the natural sciences and engineering fields. The award recognizes exceptional research skills, creativity, and potential for future contributions to the field.

BC Northern Real Estate Board Award

BC Northern Real Estate Board

August 2021

- The award is for recipients whose home town must be within the geographical boundaries defined by the Yukon border to the north, 70 Mile House to the south, Haida Gwaii Islands to the west, and the Alberta border to the east, including the communities of Dawson Creek, Chetwynd, and Tumbler Ridge. Meeting the criteria for good academic standing is the primary basis for selection.

Governor General's Academic Medal

The Governor General of Canada

July 2018

- I was awarded the Governor General's Academic Medal in recognition of my outstanding academic achievement. This prestigious award is given to the student with the highest academic standing in their graduating class. I received this honor for achieving the highest overall average in my school, demonstrating exceptional dedication and excellence in my studies. The Governor General's Academic Medal is a national recognition of academic excellence and is highly regarded in the academic community.

PRESENTATIONS

Assessing the health impacts of particulate bound metals in downtown Prince George: A health indexing study on the differential effects of high and low dust days

Cascadia Symposium on Environmental, Occupational, and Population Health

2024

Blaine, WA

Particulate Matter-Bound Metals as an Assessment of Air Pollution in the City of Prince George

UNBC Research Week

2023

Prince George, BC

Heavy metals and polycyclic aromatic hydrocarbons in ambient air during episodes of springtime road dust

UNBC Research Week

2021

Prince George, BC

PUBLICATIONS

Eric S. Coker, Nikita Saha Turna, Mya Schouwenburg, Ahmad Jalil, Charles Bradshaw, Michael Kuo, Molly Mastel, Hossein Kazemian, Meghan Roushorne & Sarah B. Henderson. (2023). **Characterization of the short-term temporal variability of road dust chemical mixtures and meteorological profiles in a near-road urban site in British Columbia.** *Journal of the Air & Waste Management Association*. 73(6): 502-516.