

Brent Lashuk

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EDUCATION

MEng (Chemical Engineering) Expected 2021
McGill University

- Research: Photocatalytic Ozonation for Micropollutant Removal in Water
- *Supervisor:* Dr. Viviane Yargeau

BSc (Honours in Environmental Chemistry) 2019
University of British Columbia

- Research: Affinity Chromatography for β -N-methylamino-L-alanine (BMAA)-Binding Proteins
- *Defended:* April 2019
- Supervisor: Dr. Susan Murch
- Highlights of BSc in Environmental Chemistry
 - Hands on training in mass spectrometry, chromatography, experimental design, sample preparation, data generation, collection, analysis, interpretation and presentation
 - Unique aspects of the program are specialized courses in molecular orbital theory, advanced instrumentation, atmospheric chemistry, aqueous environmental chemistry, geochemistry, biogeochemistry and others

WORK EXPERIENCE

Research Assistant 2019
McGill University, Montreal, QC

- Viviane Yargeau 3Cs Laboratory
- Solid phase extractions, method development, sample preparation

Research Assistant 2019
University of British Columbia, Kelowna, BC

- Susan Murch PlantSMART Laboratory
- Analytical method development, mass spectrometry, chromatography, protein analysis, affinity resin synthesis, sample preparation, micropropagation

Student Placement 2019
Molecular Science Corp, Mobile Laboratory

- Industrial experience in a mobile mass spectrometry lab
- Environmental sample preparation and testing

Undergraduate Teaching Assistant <i>University of British Columbia, Kelowna, BC</i>	2018 – 2019
<ul style="list-style-type: none"> Instructed first-year chemistry labs and held office hours Assisted in a second-year physical chemistry lab Taught 60 students over 2 semesters 	
Water Quality Technician Assistant <i>District of Lake Country, Lake Country, BC</i>	2017 – 2018
<ul style="list-style-type: none"> Water sample collection and analysis: Turbidity, pH, Conductivity, Hardness, Free/Total Chlorine, Bacteriological Online and offline equipment verification and calibration Data input and analysis of metals, nutrients, and organic compounds (trihalomethanes, total/dissolved organic carbon) Water Operations Annual Reporting 	

AWARDS AND SCHOLARSHIPS

• McGill Ulmer Lamothe Masters Award	2019
• McGill Ulmer Lamothe Graduate Award	2019
• McGill Graduate Excellence Award	2019
• NSERC Alexander Graham Bell CGS M	2019
• UBC Vice Deputy Chancellor's Scholarship (Academic Excellence)	2016 – 2019
• UBC Dean's List	2015 – 2019
• British Columbia Fruit Growers Association Golden Jubilee Bursary (Academic Excellence)	2016
• UBC Chancellor's Scholar Award (Academic Excellence)	2015

PROFESSIONAL DEVELOPMENT

Research Project Management Fundamentals <i>University of British Columbia, Kelowna, BC</i>	2018 – 2019
<ul style="list-style-type: none"> 32 hours of formal project management training Lectures, discussion, and applied learning activities 	

ORAL PRESENTATIONS

"Initial Steps for the Development of a β -N-methylamino-L-alanine (BMAA) Biosensor"	2019
<i>Western Canadian Undergraduate Chemistry Conference</i>	

POSTER PRESENTATIONS

"Affinity Chromatography for β -N-methylamino-L-alanine (BMAA)-Binding Proteins"	2019
<i>Western Canadian Undergraduate Chemistry Conference. (Awarded 3rd Place)</i>	
"Affinity Chromatography for β -N-methylamino-L-alanine (BMAA)-Binding Proteins"	2019
<i>Irving K. Barber School of Arts and Sciences. 14th Annual Undergraduate Research Conference</i>	

REPORTS

Meger P, **Lashuk B.** (2018). Water Operations 2017 Annual Report. 70. *District of Lake Country*. <https://lakecountry.civicweb.net/filepro/documents/78441> 2018

Meger P, **Lashuk B.** (2017). Water Operations 2016 Annual Report. 65. *District of Lake Country*. <https://lakecountry.civicweb.net/filepro/documents/784410> 2017

MEMBERSHIPS

- CentrEau (Student)
 - Chemical Institute of Canada (Student)
 - British Columbia Institute of Agrologists (Student)
 - Association of the Chemistry Profession of BC (Student)
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VOLUNTEER AND COMMUNITY ACTIVITIES

Chemistry Tutor 2017 – 2019

University of British Columbia Chemistry Course Union

- Held weekly office hours (2h)
- Assisted in midterm study sessions for 1st, 2nd, and 3rd year students

British Columbia Hockey League (BCHL), Junior A 2012 – 2015

- Played three years for three different BCHL teams (West Kelowna Warriors, Prince George Spruce Kings, Powell River Kings)
- Organized and volunteered for community outreach events including weekly school reading programs, Ride to Conquer Cancer, Wendy's Dreamlift Day, soup kitchen, and Salvation Army food drives.