

## **Samantha Krieg**

610 Academy Way  
Kelowna, BC V1V 0E8  
Phone: (647) 637-6954

Email: samanthakrieg08@gmail.com

- Objective** Structural engineering co-op student for a consulting firm focused on resilient tall buildings, leading to a full-time engineer-in-training position.
- Education**
- 2021-present *University of British Columbia Okanagan, Kelowna, BC*  
Bachelor of Applied Science: Civil Engineering, May 2025. GPA: 4.24/4.33.  
Lead student teams to overcome setbacks and achieve high grades in design projects while exemplifying excellent delegation and technical skills.
- 2020-2021 *Concordia University, Montréal, QC*  
Certificate in Arts and Sciences, May 2021. GPA: 4.22/4.30.  
Demonstrated a strong work ethic and focus by consistently achieving grades in the 90th percentile.
- Employment**
- 2022-present *BBA Consultants, Trail, BC*  
Civil-structural co-op student assisting with structural design, slope stability analysis, and dam safety reviews. Demonstrated a high attention to detail and problem-solving skills during structural, foundation, and geotechnical inspections at heavy industrial sites. Worked with a team and led projects, under the supervision of an engineer, to meet tight deadlines and rigorous client standards.
- 2021-present *Applied Laboratory for Advances Materials and Structures, Kelowna, BC*  
Undergraduate research assistant creating a sustainable mortar mix incorporating post-consumer waste tires and discarded wood ash. Cast mortar samples according to CSA standards and correlated their performance under compression to industry needs. Analyzed microstructure using Backscattered Scanning Electron Microscopy. First author of a paper and presented research findings at a national conference.
- 2019-2021 *Bar Henrietta, Montreal, QC*  
Bus-person in an upscale wine bar. Implemented strong verbal communication and client relation skills in French and English. Demonstrated effective time management in a faced-paced environment while working independently and directing others.
- 2018-2019 *Restaurant Montreal Plaza, Montréal, QC*  
Began as a line cook, transferred to the pastry section and was promoted to Chef de Partie Pâtisserie at the sixth-best restaurant in Canada. Increased the efficiency of trainees and junior cooks by providing one-on-one guidance about prioritization while encouraging accountability and organization.
- 2017-2018 *Cluny Bistro and Boulangerie, Toronto, ON*  
Began as a line cook, mastered each station in the kitchen and promoted to Chef de Partie. Trained new and existing employees to perform tasks safely and efficiently while fostering a productive and positive work environment.
- Personal**
- Awards*  
Dr. Spiro Yannacopoulos Memorial Award in Engineering Leadership, 2022; Concordia Student Union Arts and Sciences Bursary, 2021.
- Technical Skills*  
SAP2000; AutoCAD; BlueBeam; GeoStudio SLOPE/W; SolidWorks; MS Excel; Java; Python; Scanning Electron Microscopy; concrete compression testing.

**Personal***Familiar Standards*

National and BC Building Codes; CISC Codes; CSA Standards; Concrete Design Handbook.

*Certifications*

BC Confined Space Entry Level 1; WHMIS; Chemical Safety; Risk Management; BC Class 5 Drivers License; DELF B1 French Language Fluency.

*Activities*

Team Lead Solar Decathlon Design Competition – leading a multidisciplinary team to design a net zero house (current); Campus Waste Initiatives Lead at Innovate, Design, Sustain student group – lead a team to improve waste management on campus (8 months);

*Professional Affiliations*

Canadian Society of Civil Engineers; Engineers and Geoscientist British Columbia; Canadian Pre-cast Concrete Institute; Canadian Dam Association.

*Interests*

Sustainable and resilient infrastructure; Camping; Hiking; Kayaking; Downhill skiing; Cooking.

**References**

Available on request.