

610 Academy Way  
Kelowna, BC V1V 0E8

August 8, 2022

RJC Engineers  
1285 W Broadway #300  
Vancouver, BC V6H 3X8

Dear Hiring Manager,

I am a motivated student passionate about structural engineering and resilient infrastructure. I aspire to find a role with exposure to leading-edge building designs that highlight sustainability, like the Vancouver Center II. Given RJC Engineering's impressive project history, I would value the opportunity to work alongside your innovative team as a Structural Co-op Student.

My technical skills and self-starting attitude will make me an asset to RJC Engineering. As a Civil-Structural Co-op Student with BBA Consultants, I understand the importance of creating constructible, cost-effective designs to meet rigorous client standards. At BBA, I participate in all areas of project execution, including proposal and estimate preparation, design, report writing, and construction support. I have led projects, under the supervision of an engineer, because of my pragmatic attitude, ability to learn quickly, and technical capabilities. I inspected industrial structures to identify areas of concern and repair recommendations based on serviceability, building codes, and WorkSafe BC regulations. I demonstrated excellent 3D conceptualization while designing a steel catwalk bridge using SAP2000. My success at BBA is evidence of my technical capabilities, willingness to learn, and strong work ethic.

Before studying civil engineering, I worked as a professional cook in fine dining. At Restaurant Montréal Plaza, the menu changed daily, and as Chef de Partie, I had to adapt to last-minute changes. To execute these menu changes, I learnt new techniques quickly, collaborated with my colleagues, and maintained a high attention to detail. My ability to create a plan, delegate tasks to those I supervise, and communicate clearly will contribute to my ability to prioritize and deliver results at RJC.

I am confident that my previous professional experience will allow me to transition smoothly into this position at RJC Engineering. To arrange an interview to discuss my suitability for this position, please contact me at 647-637-6954 or samanthakrieg08@gmail.com. Thank you for your time and consideration.

Sincerely,

*Signature*

Samantha Krieg

Encl. Resume

## **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.
- Personal** *Technical Skills*

SAP2000; AutoCAD; BlueBeam; GeoStudio SLOPE/W; SolidWorks; MS Excel; Java; Python; Scanning Electron Microscopy; concrete compression testing.

*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.

## Structural Co-op Student

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**Job Category:** Engineering  
**Requisition Number:** STRUC001210

**Posted:** Jul 27, 2022  
**Schedule:** Full Time  
**Location:** Vancouver, British Columbia

[Check out RJC in the community](#)

### All postings in Vancouver

- [CAD/BIM Technologist \(Structural Drafter\)](#)
- [CAD/BIM Technologist \(Building Science and Restoration Drafter\)](#)
- [Building Conditions Assessment Project Engineer](#)
- [Join our Team! Engineering Positions in our Vancouver, Surrey, Kelowna, Victoria and Nanaimo Offices](#)
- [Structural Co-op Student](#)
- [Building Science and Restoration Co-op Student](#)
- [Accounts Receivable Assistant](#)
- [Accounts Receivable Coordinator \(Billing Specialist\)](#)

Specializing in structural engineering, building science, structural restoration, structural glass engineering, parking facility design and building energy modelling, RJC Engineers (RJC) is one of Canada's leading engineering firms. Recognized as an exceptional workplace, we mentor the next generation of Canada's 'best and brightest' engineers and technologists. With offices and expertise across Canada, we challenge our people to push technical boundaries and provide leadership in our fields of practice, while providing services for clients and projects nationwide

We believe in taking care of our people and help them realize their full potential. RJC offers the opportunity to work in an engaging team environment where you will work on exciting and challenging projects, discover new and developing technologies, practices and techniques and where you will flourish in a culture of continuous learning and collaboration. Working under the guidance of leading technical specialists who broadly share their expertise, you will get to fine tune your skills and cultivate your expertise while being given the opportunity to pursue your professional goals.

As a co-op student at RJC, you will learn about engineering from a technical perspective, but you will also learn business acumen, teamwork, and leadership.

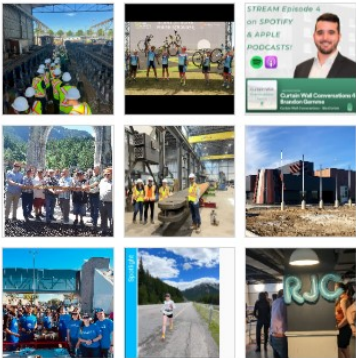
**Location:** Vancouver, BC

**Start Date:** September 2022

Student

- Accounts Receivable Assistant
- Accounts Receivable Coordinator (Billing Specialist)
- CAD/BIM/Design Technologist – Structural
- Marketing Coordinator
- Proposal Coordinator
- Administrative Assistant
- Project Administrator

Check us out on Instagram!



**Start Date: September 2022**

**Key Responsibilities:**

- Structural analysis and design on buildings
- Work under the direction of a Project Engineer within the project team from conceptual and preliminary stage of project design to its completion
- Coordination with other disciplines
- Contract administration and construction review
- Review of shop drawings

**Candidate Profile:**

- Civil Engineering student with a weighted average grade in the Upper 1/4 class
- Must be completing or have completed 3rd year at minimum
- Must have taken and passed courses in concrete and steel design
- Ability to think clearly in determining work required and to draw rational conclusions from information available
- Ability to conceptualize structural behaviours in three dimensions
- A self-starter who learns quickly and works hard
- Excellent verbal and written communication skills
- Familiarity with the National and British Columbia Building Codes

\* Please note: We will only be considering students that have completed (or are completing) 3rd year Civil Engineering degree at minimum.

Please submit your resume including cover letter and transcripts.

[Apply](#)

Structural Co-op Student. *RJC Engineering*, 27 Jul. 2022, [www.rjc.ca/people/careers/current-opportunities/201-structural-co-op-student.html](http://www.rjc.ca/people/careers/current-opportunities/201-structural-co-op-student.html)

610 Academy Way  
Kelowna, BC V1V 0E8

August 2, 2022

Referee One  
Professor, School of Engineering  
University of British Columbia Okanagan  
Kelowna, BC Postal Code

Dear Referee One:

In the Winter 2022 semester, I greatly enjoyed and benefited from your APSC 261 class. Furthermore, your assistance during office hours was much appreciated.

As a University of British Columbia co-operative education student, I am preparing an application for an internship starting in September 2022. As you can see from the attached cover letter, I am targeting a Structural Engineering Co-op position with RJC Engineering.

Given your professional connections with the RJC Engineering team and your support for my scholarship application in June, I would greatly appreciate your endorsement of my candidacy for the Structural Engineering Co-op role with RJC Engineering.

Please let me know via email, [samanthakrieg08@gmail.com](mailto:samanthakrieg08@gmail.com), if you require further information to help you to write the recommendation. Thank you for your time and consideration.

Sincerely,

*Signature*

Samantha Krieg

Encl. RJC Engineering Co-op Cover Letter

610 Academy Way  
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August 2, 2022

Referee Two  
Professor, Department of Mathematics and Statistics  
Concordia University  
1455 Boul. de Maisonneuve Ouest  
Montréal, QC H3G 1M8

Dear Referee Two:

While studying at Concordia University, I greatly enjoyed and benefited from your MATH205 and ENGR233 classes. Furthermore, your assistance during office hours was much appreciated.

As a University of British Columbia co-operative education student, I am preparing an application for an internship starting in September 2022. As you can see from the attached cover letter, I am targeting a Structural Engineering Co-op position with RJC Engineering.

Given that you wrote me a letter of recommendation for a scholarship last spring, I was hoping that you might have a high enough regard for my abilities to write a letter of recommendation attesting to my suitability for this role.

I would greatly appreciate your endorsement of my candidacy for the Structural Engineering Co-op role with RJC Engineering. I would be happy to provide further information to help you to write the recommendation.

Thank you for your time and consideration.

Sincerely,

*Signature*

Samantha Krieg

Encl. RJC Engineering Co-op Cover Letter



610 Academy Way  
Kelowna, BC V1V 0E8

August 2, 2022

Referee Three,  
Trail Office Director  
BBA Engineering Ltd.  
Trail, BC V1R 4B8

Dear Referee Three:

I greatly enjoyed and benefited from my internship with BBA Engineering Ltd. this summer. Your continued support, positivity, and guidance is much appreciated.

I am preparing an application for my second internship as part of the University of British Columbia co-operative education student. As you are aware, I am targeting a Structural Engineering Co-op position with RJC Engineering, starting in September 2022.

As my supervisor, you are familiar with my technical and interpersonal skills. I was hoping that you might have a high enough regard for my abilities to write a letter of recommendation attesting to my suitability for the role with RJC Engineering.

I would greatly appreciate your endorsement of my candidacy for the Structural Engineering Co-op position with RJC Engineering. I would be happy to provide further information to help you to write the recommendation.

Thank you for your time and consideration.

Sincerely,

*Signature*

Samantha Krieg