

ALETHEA KRAMER

Bachelor of Computer Science Student

7789601428 | aletheakramer@outlook.com | [linkedin.com/alethea-kramer](https://www.linkedin.com/in/alethea-kramer)

SKILLS & COMPETENCIES

Programming: Java, C++, C#, TypeScript, Vue.js, & React. HTML/CSS, Tailwind, & JavaScript. MongoDB, Node.js, & Express.

Other: User experience research and design. Expertise in the complete Adobe Suite.

EXPERIENCE SUMMARY

Full Stack Web Application Developer (8-month coop position)

August 2022 — April 2023

Government of Canada (PSPC – DSB)

- Develop, maintain, and optimize ASP.NET web applications for Canadian Government clients in C#
- Refactor and debug MVC architecture, visual and content changes of components, and build new features
- Participate in development workflow by creating tickets, completing code review, and fulfilling requests

Computer Science Research Assistant (4-month funded student position)

March 2022 — Sept 2022

Human Computer Interaction Lab, University of British Columbia

- Assisted in two research projects as the recipient of a summer SURE fellowship in the Human Computer Interaction lab
 - Developed the front-end of an AI assisted writing tool using Vue.js and TypeScript
 - Research on uses and implications of Virtual Digital Clones to create a conceptual framework to guide potential users
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HIGHLIGHTED PROJECTS

Convogo (Personal: <https://github.com/kylet719/Convogo>)

July 2021 — Present

- Designed & developed a web app using MongoDB, Express.js, React, and Node.js for users to collaboratively plan events
- Leveraged the Tailwind and DaisyUI libraries to execute my interface design, using custom components, modals & RESTful API endpoints to implement CRUD functionality
- Features include drag & drop, live chat, Google authentication & user views; developed with one collaborator using Git

Portfolio Website (Personal: <http://aletheakramerdesign.com/>)

July 2021 — Present

- Designed and developed personal design work portfolio using HTML, CSS, and JavaScript; hand-coded without any frameworks to exercise complete control

Apartment Manager App (<https://github.com/AletheaKramer/ApartmentManagerAppCPSC210>)

Sept — Dec 2021

- Developed a Java app to manage apartment buildings to fulfill unmet needs in family's property management business
 - Used Java to enable user input, addition, deletion and saving of items involving OOP principles and design patterns, UML diagrams, and data persistence using JSON
 - Designed & implemented complete back end, front end, and developed JUnit tests to ensure app sanity
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ADDITIONAL WORK EXPERIENCE

Freelance Communications Designer

2020 — Present

- Developed marketing/brand strategies for clients (Cadence Cycling Studio, AirSask 20/20, Aligned Body and Mind etc.)
 - Executed 3 complete brand development projects which involved audience research, value/voice development, content strategy, graphical ideation and production
 - Contributed to brand recognition and growth as indicated in social media metrics by creating cohesive, complete, and user-friendly branding packages that are audience oriented
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EDUCATION

Bachelor of Computer Science, University of British Columbia

Expected Graduation Spring 2024

Communications Design Certificate, BCIT and Emily Carr University

Fall 2020

Bachelor of Media Studies, University of British Columbia

May 2018