

Leonardo Kamino Barros

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TECHNICAL SKILLS

Programming: Java, JavaScript, TypeScript, C/C++, HTML, CSS

Technologies: React, Bootstrap, Git, WordPress, Drupal, Node.js, Circuit Python, Linux

EXPERIENCES

- **Change Healthcare**, Richmond, BC May 2022 - Present
Software Development Engineer Co-op
 - Responsible for documenting, creating, and sanity testing packages of patches for existing medical devices.
 - Created and tested proof of concept unified patch package, to mitigate confusion between support and client. Reduced from 5 to only 2 types of packages.
 - Independently working on improving web-based internal tool to create more confidence in the process of PTF Packaging. Communicating with stakeholders, designing low-level wireframes, and implementing code changes.
- **UBC Faculty of Applied Science**, Vancouver, BC September 2021 – April 2022
Front-End Web Developer
 - Led modernization of UBC research groups' WordPress websites. Communicated with stakeholders to transform high-level ideas into implemented websites.
 - Responsible for maintaining and updating UBC APSC and ENG websites with 6k+ weekly visitors.
 - Improved UBC Applied Science website SEO health from 25% to 95%, after analyzing SEO reports and executing changes.
- **UBC Launchpad** (Student Organization), Vancouver, BC September 2020 – April 2021
Software Developer
 - Developed an application to streamline the recruitment process for student clubs.
 - Responsible for implementing the views of the application using React.
 - Conducted peer code reviews to guarantee best practices and functionality.

EDUCATION

The University of British Columbia, Vancouver, BC September 2020 – May 2025 (Expected)
Bachelor of Applied Science in **Computer Engineering**, GPA 89/100,

- **Relevant Course Work:** Algorithms and Data Structure, Software Construction, Microcomputers, Computing Systems, and Computer Engineering Design Studio.
- **Awards:** Trek Excellence Scholarship, Faculty of Applied Science International Student Scholarship, Outstanding International Student Award, Thomas Beeching Scholarship, and Dean's Honour List.

Available for Co-op opportunities for 4 or 8 months beginning January 2023

PROJECTS

More Projects and details on leokamino.com

Vaccination Status Checker | Computer Engineering Design Course | Node.js, React, Express, Johnny Five, Arduino

- Autonomous system to allow or deny access into establishment based on vaccination status, self-assessment, and temperature. Include an admin portal to visualize data and notify clients in case of exposure to COVID-19.
- Led team. Responsible for planning the project architecture: technologies used, integration between components, and user flow.
- Created APIs to connect views with the Arduino components via Node.js and Johnny-Five platform.
- Developed front-end views in React and mass email sending via SendGrid mail.

Sorting Algorithm Visualizer | HTML, CSS, JavaScript, Sorting Algorithms

- Developed a web app for visualizing Merge, Quick, Bubble, and Selection sorting algorithms.
- Created to improve my understanding of how different Sorting Algorithms perform and improve front-end skills.