

Leonardo Kamino Barros

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TECHNICAL SKILLS

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

Technologies: React, Ruby on Rails, Bootstrap, Sass, Git, Node.js, Circuit Python, Linux

EXPERIENCES

● **Motorola Solutions – Avigilon**, Vancouver, BC

Jan – August 2023

Software Engineer

- Developed new features for the ACM portal following MCV design architecture to enhance user experience and performance. Responsible for creating new Views and APIs for the new functionalities.
- Created and integrated React components into Ruby on Rails codebase using Direflow library.
- Investigated and resolved critical bugs based on customer escalations, ensuring a smooth experience.
- Improved reliability and efficiency of unit tests using the Rspec tool following test-driven approach, reducing the likelihood of software regressions, and enhancing overall software quality.
- Responsible for end-to-end and functional testing features of the ACM portal new release candidates, guaranteeing the delivery of robust and error-free releases.
- Meticulously reviewed pull requests, upholding coding standards and identifying potential issues.

● **Change Healthcare**, Richmond, BC

May – December 2022

Software Development Engineer

- Enhanced web-based internal tool using Angular, boosting confidence in the PTF Packaging process. Responsible for end-to-end delivery of the project, collaborating with stakeholders, designing wireframes, and implementing code changes.
- Mentored new co-op students, providing onboarding support, assisting with environment setup, and teaching PTF Packaging technique. Conducted weekly check-in meetings to track progress, address challenges, and answer questions.
- Documented, created, and performed sanity testing on software patch packages for medical devices.
- Streamlined patch package management by creating and testing a unified proof of concept solution, reducing package types from 5 to 2 and minimizing confusion between support and clients.

● **UBC Faculty of Applied Science**, Vancouver, BC

September 2021 – April 2022

Front-End Web Developer

- Led the modernization of UBC research groups' websites. Communicated with stakeholders to transform high-level ideas into implemented websites.
- Investigated bugs and applied fixes on the main UBC Applied Science websites, ensuring optimal functionality and a smooth user experience.
- Responsible for maintaining and regularly updating UBC APSC and ENG websites with 6,000+ weekly visitors.
- Improved UBC Applied Science website SEO health from 25% to 95% by meticulously analyzing SEO reports and executing targeted changes, resulting in enhanced search visibility.

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:** Software Construction, Data Structure & Algorithms, Computing Systems, Digital Systems & Microcomputers, Circuit Analysis, Economic Analysis of Engineering Projects
- **Design Team Experience:** UBC Launchpad – Software Engineer (2020/21)
- **Awards:** Trek Excellence Scholarship, Faculty of Applied Science International Student Scholarship, Outstanding International Student Award, Thomas Beeching Scholarship, and Dean's Honour List.

PROJECTS

More Projects and details on leokamino.tech

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.
- Taught teammates how to use GIT, use branches and create Pull Requests before merging into master.
- Answered teammate questions regarding React and Node Js frameworks.
- Reviewed code to catch bugs and make sure best practices were followed.
- 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.