

Leo Kamino Barros

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TECHNICAL SKILLS

Programming Languages: Python, JavaScript, TypeScript, Ruby, Java, HTML, CSS, SQL, C, Bash

Frameworks: React, Ruby on Rails, Node.js, Express, Android

Developer Tools: Git, Selenium, GitHub Actions, Bamboo, MongoDB, MySQL, Postman

EDUCATION

UNIVERSITY OF BRITISH COLUMBIA - Vancouver, BC

Graduating May 2025

BASc in Computer Engineering (GPA: 89.3/100)

Awards: Trek Excellence Scholarship - Top 5% in the cohort.

Relevant Coursework: Operating Systems, Computer Networks, Computer Graphics, Machine Learning, Software Engineering and Cybersecurity.

EXPERIENCE

UBC FACULTY OF APPLIED SCIENCE - Vancouver, BC

Sep 21 - April 22, Sep 23 - April 24, Sep 24 - Present

Web Developer (Part-time)

- Revamped **10+ websites** encompassing **6,000+ weekly visitors**, collaborating with stakeholders to transform their ideas into new websites, resolving bugs, and developing new features.
- Drove a **70% improvement** in Search Engine Optimization (SEO) health, increasing SEO scores from 25% to 95% by conducting SEO report analysis and executing strategic optimizations.

MOTOROLA SOLUTIONS - Vancouver, BC

Jan-Aug 2023 and May-Aug 2024

Software Engineer Intern

- Built an automated Selenium web scraper for the ACM system to find broken links and HTML issues, integrating it into Bamboo CI for automated reporting.
- **Consolidated 10+ search components** into a reusable React component, streamlining previous Ruby on Rails implementations and reducing code maintenance overhead.
- Developed and debugged features using MVC design in Ruby on Rails and React.
- Played a key role in the validation process, conducting end-to-end, functional, and exploratory testing of release candidates and identifying and reporting multiple critical bugs.

UBC COMPUTER ENGINEERING DEPARTMENT - Vancouver, BC

Sep-Dec 2023

Teaching Assistant - CPEN 221 Software Construction

- Conducted weekly lab sessions for 40+ students, provided one-on-one support during office hours, and graded assignments

OPTUM (CHANGE HEALTHCARE) - Richmond, BC

May-Dec 2022

Software Development Engineer Intern

- Led enhancements to an internal web tool in Angular and .NET, semi-automating the Program Temporary Fix Packaging process.
- Conducted thorough sanity testing on software patches for medical devices, ensuring compliance with rigorous quality standards.

PROJECTS

More projects at leokamino.com

LangSync - 2023

Java Android, Node Js, OpenAI API, MongoDB, mongoose, Azure

Winner of CPEN 321 - Software Engineering project competition

- **Led a team of 4** in developing a match-making Android platform for language learners.
- **Developed vital features**, including a recommendation algorithm, Google OAuth2 authentication, session schedule integration with Google Calendar, and video calling.
- **Integrated OpenAI API** to give live suggestions on user's grammar.

Chat Application with AI Moderation - 2024

Javascript, AJAX, Node Js, MongoDB, GPT4All

- Developed AI-powered web chat application with Node.js, MongoDB and vanilla HTML, CSS and JS
- **Integrated the GPT4All Mistral OpenOrca model** for real-time AI chat moderation, deploying it locally to eliminate reliance on external APIs.