

Leo Kamino

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EDUCATION

UNIVERSITY OF BRITISH COLUMBIA

Vancouver, BC

BASc in Computer Engineering, GPA 90/100

2020-2025

Activities: Teaching Assistant - Software construction, Work Learn, and Launchpad Design Team

Academic Recognition: Dean's Honour List, Trek Excellence Scholarship (Top 5% within cohort)

PROFESSIONAL EXPERIENCE

UBC APPLIED SCIENCE DEAN'S OFFICE

Vancouver, BC

Web Developer (Part-time)

SEP 2021-Present

- Led maintenance and optimization of UBC Applied Science websites, ensuring seamless performance and usability.
- Built custom Drupal modules in **PHP** to implement site-specific functionality.
- Created a scalable **Sass-based design system** to ensure consistent and modern UI/UX across all UBC Engineering websites.
- Developed dynamic UI components using Twig, **JavaScript**, and **TailwindCSS**.
- Delivered custom websites for research groups and engineering teams, aligning with stakeholder requirements.
- Improved SEO scores by 20%, from 75% to 95+, through strategic optimizations.

MOTOROLA SOLUTIONS.

Vancouver, BC

Software Engineer Intern

May-Sep 2024

Front-end Software Developer Co-op

Jan - Sep 2023

- Designed and debugged scalable user-facing components and APIs using **Ruby on Rails** and **React**.
- Worked on transitioning interfaces and components from Rails to sleek modern interfaces using React.
- Created and maintained CI/CD pipelines in **Atlassian Bamboo CI** to automate overnight test execution.
- Built **RSpec** and **React Testing Library** suites and a **Selenium web scraper** testing script to improve system and code reliability.
- Performed end-to-end, functional, and regression testing during validation for new releases, reporting, and fixing critical bugs.

CHANGE HEALTHCARE (NOW OPTUM)

Richmond, BC

Software Development Engineer Intern

May - Dec 2022

- Enhanced an internal web tool using **Angular** and **.NET**, semi-automating packaging of new update releases to streamline the creation and availability of medical device software patches.
- Performed rigorous sanity testing on medical device software patches, ensuring compliance with strict quality standards.

PROJECTS HIGHLIGHTS

MORE PROJECTS ON [LEOKAMINO.COM](https://leokamino.com)

EMERGENCY AI RESPONSE SYSTEM

FastAPI (Python), Next.js, MongoDB, Docker, Research, Deep Learning

Capstone project in collaboration with TELUS.

- Designed a real-time **AI-driven system** to classify the priority of 911 calls to improve emergency response efficiency.
- Created a **Docker** container to deploy AI-powered services in specialized hardware.
- Implemented real-time audio recording and transmission using **WebSockets**, enabling real-time 911 call classification.
- Developed speech diarization process with **Whisper** transcription and LLM-based speaker ID to isolate caller audio for ML training.

DISTRIBUTED KEY-VALUE STORE SERVER

Java, Distributed Systems, AWS EC2, Terraform

- Designed and implemented a scalable distributed key-value store server in **Java** using consistent hashing for efficient load balancing and fault tolerance.
- Developed a group membership service using an epidemic protocol to manage node failures and maintain a dynamic cluster.
- Deployed the system on **AWS EC2** using **Terraform** for cloud management infrastructure, leveraging network emulation to test robustness under high latency and packet loss.

LANGSYNC

Java Android, Node.js, OpenAI API, mongoose, Azure

1st Place on CPEN 321 - Software Engineering project competition

- Led a team of 4, taking ownership of architecture design to build a match-making **Android app** for language learners.
- Developed core features: recommendation algorithm, **Google OAuth2** authentication, Calendar integration, and video calling.
- Integrated **OpenAI API** to provide grammar suggestions during live messaging.

SKILLS

Programming Languages: Python, JavaScript, Ruby, Java

Web Development: React, Next.js, Typescript, HTML5, CSS, Sass, Bootstrap, TailwindCSS

Back-end Development: Node.js, FastAPI, Express.js, Ruby on Rails, SQL (MySQL), NoSQL (MongoDB), HTTP, REST APIs

DevOps and Cloud Tools: Git, Docker, AWS, Azure, Terraform, Linux, GitHub Actions, Atlassian Bamboo, Jira

Testing & Automation: Jest, React Testing Library, pytest, Selenium, Testing Automation