Kentaro Lim

778-892-5872 | kentarolim10@gmail.com | linkedin.com/in/kentarolim10/ | github.com/kentarolim10

Education

University of British Columbia Vancouver, BC

Bachelor of Science in Computer Science *September 2020 – May 2026*

- Relevant Coursework: Software Engineering, Data Structures & Algorithms, Cloud Computing, Distributed Systems, Relational Databases, Data Science, Artificial Intelligence, Machine Learning, Networking

Experience

Full-stack Developer Intern January 2023 – August 2023

WelTel Incorporated *Vancouver, BC*

- Built full-stack features for non-profit healthcare service using Angular, Node.js, Express.js, and Bookshelf.js.
- Engineered cloud text message receiving service, reducing costs and computation by **80%** by refactoring old service to an **Event-Driven Architecture** using **Twilio**, **AWS Lambda**, and **Amazon SQS**.
- Built a robust front-end, increased front-end code coverage from **20%** to over **80%** by leading **Unit and Integrated Testing** using Angular Testing Library.
- Shared current bugs and future improvements in daily stand-up meetings, gave demos for completed features.

Co-op Software Engineer September 2022 – December 2022

Mitacs *Remote*

- Advanced 2 web apps that match post-secondary institutions research projects with students in **CI/CD** pipeline.
- Automated custom response emails, reducing manual human workload, by using **nodemailer** and JavaScript.
- Optimized server performance, reducing fetching 1000+ unnecessary entries to 20 per page, by implementing **pagination** for tables consisting of student data using **Angular**, **Node.js**, and **Express.js**.
- Enhanced student and professor data, increasing user satisfaction, by modifying **SQL** tables through migrations using **Flyway**; Gave access to data through new **back-end** endpoints using Express.js and **Sequelize ORM**.

Projects

PlanIT Event Planner Febuary 2025 – March 2025

- Azure Cloud hosted web application that uses **OpenAI's gpt-3.5-turbo** and **Azure Computer Vision** to create event plans using user descriptions and inspiration images; Includes dashboard to manage TODOs and budget.
- Created a highly scalable and serverless back-end using **Azure API Management** and **Azure functions**; Maintained optimal system design by storing images in **blob storage** and event plans in **Cosmos MongoDB**.

JupyterLab Extensions September 2023 – December 2023

- Enhanced usability of two **open source** JuptyerLab extensions during 3 month MLH fellowship program.
- Synchronized Jupyter-variable-inspector to achieve **100% design consistency** by migrating UI libraries.
- Collaborated globally through GitHub issues to find bugs and shared solutions with sponsers; Increased usability of JupyterLab integration with Git by solving I/O bugs with **Python** and **TypeScript**

VR Speech Simulator January 2023

- Achieved 3rd out 130 registered teams at nwHacks by developing a Web/VR application that allows a user to practice and receive feedback for their speeches in VR.
- Used the T3 Stack to develop the speech management portal using **Vite**, **React**, and **Tailwind CSS,** while constructing a type-safe **REST API** for speeches using tRPC and Prisma ORM.

Technical Skills

Languages: JavaScript, Python, Java, C++, GoLang, SQL, HTML, CSS, C#
Frameworks/Libraries: React, Node.js, Express.js, jQuery, scikit-learn, Angular, NumPy, Matplotlib, pandas
Developer Tools: Git, Docker, AWS(Lambda/API Gateway/S3/RDS/DynamoDB), Oracle, MS SQL Server, Linux
Achievements: nwHacks 2023 Winner, StormHacks EdTech Award