

Kentaro Lim

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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, Agile Development, Networking, Web Development

EXPERIENCE

Full-stack Developer Intern

January 2023 – August 2023

WelTel Incorporated

Vancouver, BC

- Built **responsive** UI pages using **Angular**, **HTML**, and **CSS** for a non-profit healthcare web application.
- Developed **RESTful API** endpoints using **Node.js**, **Express.js**, **Bookshelf ORM**, **SQL**, and **Docker** for containerization, allowing users to manage their data.
- Architected event-driven message receiving service using **JavaScript**, **AWS Lambda**, **Amazon SQS**, and **Twilio**, reducing computation from old polling model by 80%.
- Elevated the robustness of the front-end by leading **Unit and Integrated Testing** using Angular Testing Library for Angular pages, increasing front-end code coverage from 20% to over 80%.
- Worked closely with clients by giving demos, using **Agile** methodology and **Kanban** for team development.

Co-op Junior Programmer

September 2022 – December 2022

Mitacs

Remote

- Advanced 2 full-stack applications using **Angular**, **Node.js**, and **Express.js**, developing in a **CI/CD Pipeline** using **git**, **Bitbucket**, and **Jenkins**.
- Displayed new data on pages using **Angular Material**, **HTML**, and **CSS**, creating responsive UI elements.
- Created **CRUD APIs** for new **SQL** schemas using **Express.js** and **Sequelize ORM**, improving user data.
- Architected a high scaling back-end model for fetching users by implementing pagination using **JavaScript** and **SQL**, reducing 1000+ unnecessary fetches to 10-50 per page.
- Collaborated closely with the business and development teams, using **Agile** development and **Scrum** sprints.

PROJECTS

PlanIT Event Planner

February 2025 – March 2025

- Developed Azure based web application that using **JavaScript**, **OpenAI's gpt-3.5-turbo**, and **Azure Computer Vision** that creates event plans based on prompt.
- Created a highly scalable and serverless back-end using **Azure API Management** and **Azure functions** with images stored in **blob storage** and event plans in noSQL **Cosmos MongoDB**.

JupyterLab Extensions

September 2023 – December 2023

- Enhanced usability of two **open source** JupyterLab extensions during 3 month MLH fellowship program.
- Increased usability of JupyterLab integration with Git by using **Python**, **TypeScript**, and the **DOM**, fixing I/O bugs and improving GUI.
- Synchronized Jupyter-variable-inspector to achieve **100% design consistency** by migrating UI libraries.

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**, **Next.js**, and **Tailwind CSS**, while constructing a type-safe **RESTful API** for speeches using **tRPC**, **Typescript** and **Prisma ORM**.

TECHNICAL SKILLS

Languages: JavaScript, Python, Java, C++, GoLang, SQL, HTML, CSS, C#

Frameworks/Libraries: React, Node.js, Express.js, Spring Boot, jQuery, Angular

Developer Tools: Git, Docker, AWS(Lambda/API Gateway/S3/RDS/DynamoDB), Oracle, Linux

Achievements: nwHacks 2023 Winner, StormHacks EdTech Award