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# Chak Chik

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#### Experience

## Full Stack Developer

Jun. 2021 – Sep. 2021

KM.ON by Karl Mayer

Hong Kong & Vancouver, British Columbia

- Developed performance critical **REST APIs** and endpoints for enterprise level web apps with **Scala Play**.
- Created a scalable boilerplate application from scratch with **React.js**. It is now used by KM.ON's engineering teams in **Hong Kong, Germany, and India**.
- Constructed the company's **identity access management** tool(K.IAM)'s login page with **Auth0** authentication APIs. Utilized React Redux for **JWT authentication** to protect **10000+** factory owners' data security.
- Utilized **Hibernate**(in Scala) to access and query the **PostgreSQL** database. Developed **CSV validation functions** on the backend to ensure customer data integrity.
- Developed reusable components to KM.ON's UI library with **React**, which are used in all KM.ON's projects.
- Implemented extensive test suites on the backend with ScalaTest. A 90%+ test coverage was achieved.

# **EDUCATION**

# University of British Columbia

Vancouver, British Columbia

BSc in Computer Science(Co-op) (transferred from McGill University)

Sep. 2021 - Sep. 2024

# McGill University

Montreal, Quebec

BSc in Honours Computer Science, cGPA: 3.94/4.0

Sep. 2019 - Sep 2021

#### Relevant coursework

• Internet Computing, Relational Databases, Machine Learning

# Awards and Honours

- Faculty of Engineering Scholarship, McGill University (Top 10%)
- Faculty of Engineering Dean's Honour List, McGill University
- Women Associates of McGill Scholarship (Sponsored by the Women Associates of McGill)

# Projects

**Hasty** | MERN Stack(React & Node.js), D3.js, Heroku, Netlify

https://vervhastv.netlifv.app/

- Full stack data analytics web app with React as the frontend. Implemented REST APIs and the web service with Node.js. Recorded the user's job application information on the dashboard.
- Visualized and analyzed the user's job search data with the help of **D3.js**. Calculated statistics such as the application-interview-offer ratio.
- Set up automated deployment by connecting **Heroku** and the backend's GitHub repository. Manually deployed the frontend web app's production build on **Netlify**.

# COVID tracker | PHP, Oracle

- Web app built with PHP. Handled HTTP requests and the user's input.
- Systematically organized relations between patients, their contacts, vaccine records and test results with database queries with **Oracle RDBMS**.
- Ûsed functional dependencies to minimize the number of relations between tables.

# The Hornets and the Bees (Academic project) | Java, Java AWT

- Tower defense game written in Java with a GUI developed with Java AWT.
- Implemented the game logic with **OOP principles** and **design patterns(e.g. composite pattern)**. Utilized data structure and algorithms.

#### TECHNICAL SKILLS

Languages: Java, Scala, JavaScript, PHP, Python, HTML/CSS, SQL, C, Bash

Frameworks/Tools: Play(Scala), Spring Boot(Java), Node.js, GraphQL, PostgreSQL, MySQL, React.js, Heroku,

Netlify, Docker, Kubernetes, Figma, JUnit