



# Chak Chik

672-515-8101 | [Jacksonchik01@hotmail.com](mailto:Jacksonchik01@hotmail.com) | <https://github.com/JacksonChik>

## EXPERIENCE

### Full Stack Developer

Jun. 2021 – Sep. 2021

*KM.ON by Karl Mayer**Hong Kong & Vancouver, British Columbia*

- Implemented performance critical RESTful APIs and deployed endpoints for enterprise level web applications with Scala Play.
- Queries and access with Scala's Slick library to PostgreSQL database. Implemented CSV validation on the backend and ensured customer data integrity.
- Created a highly scalable boilerplate application with React.js under supervision, which is now used by KM.ON's engineering teams in Hong Kong, Germany, and India.
- Frontend UI/UX design with Figma. Implemented new reusable components to the company's UI library with React.js, which are now used in all company projects.
- Implemented extensive unit tests and test suites on the backend with ScalaTest. A 90%+ test coverage was achieved. Automated Jira release note generation and delivery to clients.

## EDUCATION

### University of British Columbia

Vancouver, British Columbia

*BSc in Computer Science (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

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

## PROJECTS

### Hasty | *MERN(React & Node.js), D3.js, Google OAuth*

- Developed a full-stack web application using with Flask serving a REST API with React as the frontend
- Implemented GitHub OAuth to get data from user's repositories
- Visualized GitHub data to show collaboration
- Used Celery and Redis for asynchronous tasks

### COVID tracker | *PHP, Oracle*

- Systematically organizes relations between patients, their contacts, vaccine records and test results with database queries with Oracle RDBMS
- Used functional dependencies to minimize the number of relations between tables
- Constructed a web app with PHP, which handles HTTP requests

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

- Tower defense game written in Java with a GUI implemented with Java AWT
- Implemented the game logic with OOP & software engineering principles and data structure and algorithms

## TECHNICAL SKILLS

**Languages:** Java, Scala, Python, PHP, JavaScript, HTML/CSS, SQL, OCaml, C, Bash**Frameworks/Tools:** Play(Scala), Spring Boot(Java), Node.js, PostgreSQL, MySQL, React.js, Figma, JUnit, ScalaTest, Docker, Kubernetes