Chak Chik

672-515-8101 | 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*
- 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://veryhasty.netlify.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**.
- Used 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