Leon Li

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SKILLS

Languages: Python, C++, JavaScript, TypeScript, Java, Kotlin, Scala, SQL, HTML/CSS
Technologies: React, Spring, Node.js, Git, MongoDB, PostgreSQL, Docker, Kubernetes, Android SDK

EDUCATION

University of Waterloo – Honours Bachelor of Computer Science (Co-op)   *Sep 2018 - Apr 2023*
- Term GPA: 92%, Dean's Honors List (Spring 2020)
- Related Courses: Data Structures and Algorithms (93%), Operating Systems (94%), Intro to Compilers (96%)

EXPERIENCE

Infor (Workforce Management) | *Software Developer – Platform Team* | Toronto, ON   *May 2021 - Aug 2021*
- Designed and implemented Histories feature for WFM Extension Scripts, enabling versioning and rollbacks used by 200+ enterprise clients. Developed using **Java**, **Spring**, **JavaScript**, **SQL, Cucumber** and **JUnit**.
- Created **Groovy** script templates to reduce error rate in the development of Extension Scripts created by clients.
- Upgraded database migration tool to use a trigger-based approach instead of a query-based approach, accelerating development by ~30% across all database changes (**PostgreSQL**, **Oracle**, **DB2** and **SQLServer**).
- Developed infrastructure for documentation of **Kotlin**, achieving full coverage of WFM codebase, using **Gradle**, **Ant**, **Maven**, and **Dokka**.

University of Waterloo | *Teaching Assistant* | Waterloo, ON   *Sep 2020 - Dec 2020*
- Led instructional support for Advanced Introduction to Compilers course for 100+ students, using **Scala**.
- Engineered a suite of **Bash** scripts to automate administrative tasks such as running plagiarism detection software, updating marks, and archiving documents, reducing instructional workload by roughly 70%.
- Held daily office hours for students, helping to debug approximately 10,000 lines of code across the term.

Manulife | *Digital Analytics Engineer* | Toronto, ON   *Jan 2020 - Apr 2020*
- Boosted user engagement by adding various UI components to Manulife's homepage in **JavaScript/HTML/CSS**.
- Developed custom dashboards for Global Digital Marketing teams using **Google Analytics** and **Adobe Analytics**.
- Researched and presented key metrics and ongoing analytics initiatives at monthly optimization meetings.

PROJECTS

Urban Lyrics | *TypeScript, Express, React, Node.js* 🔗
- Built a Chrome extension to retrieve song lyrics for YouTube music videos; currently with 100+ daily active users across six continents. Created with **TypeScript**, **Webpack**, and **Node.js**.
- Deployed an REST API that scrapes lyrics on-demand from Genius, using **Express.js** and **Puppeteer**.
- Designed and created an easy-to-use UI to request and display lyrics using **Figma** and **React**.

Flexlog | *Express, React, MongoDB, Node.js* 🔗
- Engineered a multi-page web application for users to easily log and share their workouts. Used **React**, **Next.js** and **Styled Components** for the user interface.
- Leveraged JSON Web Tokens for authentication and authorization, using **bcrypt** and **MongoDB**.

Gesture Recognizer | *Java, Android Studio, Gradle* 🔗
- Built an app that recognizes a touch gesture and matches it against a collection of previously inputted patterns (e.g. star, circle, mountain, etc.). Created in **Java** with **Android SDK.**

Data Rush | *C++, X11, GCC* 🔗
- Developed a modern spinoff of the board game Stratego, with text-only and GUI versions. Used **C++** and **X11**.