Leon Li

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SKILLS

Languages: Python, C++, JavaScript, TypeScript, Java, PHP, SQL, HTML/CSS
Technologies: React, Spring, Node.js, MongoDB, PostgreSQL, Angular, Flask, Docker, Git

EDUCATION

University of Waterloo – Honors Bachelor of Computer Science (Co-op)   *Sep 2018 - Aug 2023*
- Term GPA: 91%, Cumulative GPA: 85%, Major GPA: 90%
- Related Courses: Data Structures and Algorithms, Operating Systems, Computer Networks, Concurrency

EXPERIENCE

Autonomic | *Software Engineer Intern - Connectivity Secrets* | Toronto, ON   *Jan 2023 - Present*
- Performed software upgrades across 12 microservices, reaching 0 vulnerabilities and achieving SOC 2 compliance goals for team. Updated Spring Boot builds, dependencies, and tests using **Java**, **Maven**, **Trivy**, and other SBOM analysis tools.
- Reconfigured core microservice to reduce CPU usage by 87.5%, reduce memory usage by 75%, and reduce costs by ~$24.7k/month. Validated changes with load testing, and rolled out to production with no issues. Used **Kubernetes**, **Grafana**, **Prometheus**.

Tulip | *Software Developer – eCommerce (Well.ca) Team* | Kitchener, ON   *Sep 2022 - Dec 2022*
- Added ability for merchants to assign relative order for products on a more granular level to offer higher customizability of product lists. Organized 251k products by defining **MySQL** database models and **Solr** queries.
- Developed a UI for warehouse employees to organize orders into gift boxes, in support of Well.ca's new offering.

TD | *Software Engineer Intern – Global Transfer Team* | Toronto, ON   *Jan 2022 - Apr 2022*
- Led the development of a real-time payments (RTR) application that facilitates reporting and auditing e-transfers between TD and other financial institutions. Developed using **Spring Boot, Angular,** and **MongoDB**.
- Reduced the amount of time needed to generate a Settlement Summary report from a 3-day request process to an on-demand search for over 100 Enterprise Payments Business Operation agents.

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**.
- 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**).

University of Waterloo | *Teaching Assistant – Intro to Compilers* | Waterloo, ON   *Sep 2020 - Dec 2020*
- 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 **Scala** code across the term.

PROJECTS

Urban Lyrics | *TypeScript, Express, React, Node.js* 🔗
- Built a Chrome extension to retrieve song lyrics for YouTube music videos; currently with 300+ daily active users across six continents. Created with **TypeScript**, **React, Webpack**, and **Node.js**.
- Deployed a REST API that scrapes lyrics on-demand from Genius, using **Express.js** and **Puppeteer**.

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 and JSON Web Tokens for authentication and authorization.