Christian Lessard

chris.lessard.96@gmail.com | chrislessard.co

EDUCATION

University of Toronto — *Honours B.Sc. in Computer Science*

September 2014 - April 2019. Toronto, CA. High Distinction. GPA: 3.70 / 4.00

Advanced study of Operating Systems, Networks, Programming Paradigms, Database design/optimizations (incl. columnar file formats, bloom filters) and Distributed Computing.

EXPERIENCE

Qonto, Paris FR — *Backend Engineer*

June 2019 - Present. Ruby on Rails, PostgreSQL, Docker, Elasticsearch, Go

- As part of the Onboarding team, focused on delivering a delightful registration experience to users while maximizing their conversion rate.
- Cross collaborated with engineers, product managers, customer service and marketing to perform code reviews as well as write and implement thorough feature specs. Developed clear performance metrics for analytics purposes with Postgres and Prometheus/Grafana.
- Integrated a golang PDF service to improve the speed of internal PDF generation, reducing the latency of the 99th percentile by a factor of over 70%.
- Optimized Sidekiq queues, reducing queuing times for ActiveJobs. Introduced a new clock-job pattern to eliminate delays for cron-like jobs.
- Helped introduce a third party ID verification service to the company register. Leveraged it to automate internal KYC checks, saving work for customer service agents.
- Optimized indexes of an OLTP database to reduce waiting times for customer service.

Red Hat, Toronto CA — *Full Stack Engineering Intern*

May 2017 - August 2018. Java, Golang, Kubernetes, TypeScript, Angular4

- Helped transition Thermostat, a JVM profiler, from a monolithic architecture to a microservice architecture.
- Helped develop OpenShift.io, a cloud application orchestration tool. Independently standardized component design across fabric8, the project's frontend, improving code reusability and testability. Independently implemented its user settings page.

University of Toronto, Toronto CA — *Teaching Assistant*

Four semesters from 2016 - 2019 in the CS help center. Python, Java, C, SQL, Git

- Taught students the fundamentals of OOP, design patterns, discrete maths and algorithm design. Communicated complex subject matter in clear and understandable terms.

National Research Council, Ottawa CA — *Software Engineer*

May 2016 - August 2016. Python

- Redesigned a data preprocessing pipeline, improving its speed by a factor of 80% and freeing 1 hour per day of a researcher's preprocessing time.

References available upon request.