

JESSE LI

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EDUCATION

University of Waterloo

Bachelors of Computer Science - **GPA** - 3.5/4.0

Sep. 2020 – Apr. 2025

Waterloo, ON

COURSEWORK / SKILLS

- Designing Functional Programs
- Algorithm Design and Data Abstraction
- Introduction to Object Oriented Programming

WORK EXPERIENCE

Royal Bank of Canada ↗

Cloud Software Developer

Jan. 2022 – Apr. 2022

Toronto, ON

- Currently on co-op term

Royal Bank of Canada ↗

Cloud Software Developer

May 2021 – Aug. 2021

Toronto, ON

- Utilized **Spring Boot** framework to add features and resolve bugs in **Java microservice** for mapping numerous transaction types, used by 3 downstream teams to process over **\$1 million** in e-Transfer transactions daily
- Built a microservice from scratch and shipped it to the cloud to validate transaction records, and generate various types of e-Transfer account statements for **100+** enterprise clients
- Leveraged **Apigee** to deploy a REST API proxy with OAuth 2 and expose microservice to internal API consumers

Spirit of Math Schools ↗

Teaching Assistant

May 2021 – Aug. 2021

Toronto, ON

- Supervised and aided 15 – 20 students with course material through one-on-one teaching
- Enhanced student learning with positive reinforcement strategies and broad instructional approaches
- Collaborated with fellow teaching assistants to establish an encouraging learning environment

PROJECTS

Hack the North 2020++ ↗

Jan. 2021

- Created a web scraper information site to track live COVID-19 related statistics in Canada (for all provinces and territories)
- Developed with the **Flask** web framework (**Python**) using a **Jinja** template
- Styled aesthetic design using **Bootstrap 4**
- Pulled data from various COVID-19 API's and converted the **JSON** file format into easy-to-read text

Personal Hockey Website ↗

Dec. 2019 - Jan. 2020

- Developed a **Django** web application (**Python**) to showcase my youth hockey and also enable users to create topics/entries, which are then stored in a database
- Deployed website to **Heroku** with a **Postgres** database and a **Jinja** template
- Styled responsiveness and aesthetic design using **Bootstrap 4** for features such as interactive buttons and calls to a backend database

TECHNICAL SKILLS

Languages and Markup: Python, Java, C, C++, HTML/CSS, Bootstrap

Developer Tools: Linux, Git, Github, Jenkins, Heroku, PCF, Urbancode Deploy

Technologies/Frameworks: Flask, Django, Spring Boot, Thymeleaf, React, Apache Camel

EXTRACURRICULAR

Parkwoods Minor Hockey League ↗

Oct. 2018 - Mar. 2020

Head Coach

Toronto, ON

- Coached and coordinated 24 weekly practices to enhance players' shooting, passing, and skating abilities
- Developed effective game strategies for a team of 11 players aged 13 – 14 years
- Exceeded first years win rate by 60%, won 16/24 games in second year as head coach