

Simon Ha

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EDUCATION

BSc. Honours Computer Science With Comprehensive Specialization

Toronto, ON | Exp Apr 2023

UNIVERSITY OF TORONTO

Coursework: Software Engineering; Data Structures and Algorithms; Operating Systems; Computer Security;

WORK EXPERIENCE

BLACKBERRY LIMITED | SOFTWARE DEVELOPMENT STUDENT

Mississauga, ON | May 2021 – Aug 2022

- Designed and implemented an update-form for **OIDC** and **3rd party IDP** related applications using **AngularJS** and **Spring** making the overall layout more organized and user-friendly.
- Wrote an **LDAP** query to return permission groups containing a specific user, exposing this feature as a **REST API** and allowing admins to easily toggle permission group membership in front-end
- Assisted in front-end **rewrite** from AngularJS to **React**, converting over 200 controllers and templates into JSX objects in 3 months.
- Automated **environment specific** post-deployment service verification using **Selenium**, decreasing regression failures for new features

DAYSTAR LIMITED | FULL-STACK DEVELOPER

Mississauga, ON | May 2020 – Aug 2020

- Worked in a team of 3 developers to proactively develop a Commercial Property product front-to-back using **Vaadin** and **Java**.
- Built back-end services using **Java API** and **MyBatis** framework to get and save data, including the use of stored procedures in Sybase, increasing overall efficiency of commonly retrieved data.

GENWORTH FINANCIAL CANADA | SOFTWARE DEVELOPER INTERN

Oakville, ON | May 2019 – Aug 2019

- Collaborated in a team of 8 developers using Agile methodology to develop distributed policy intake application to replace the existing portal
- Designed a scheduler with **Spring-Boot** framework to upload reports to **MongoDB** and index in **Elasticsearch**, automating an internal process and increasing efficiency by **80%**.
- Created **UML** diagrams with architect and persisted domain model into **PostgreSQL**, mapping the objects with **Hibernate**

PROJECTS

U-IMPACTIFY

JAVA, SPRING/SPRING-BOOT, HIBERNATE, REACT, MAVEN, SWAGGER API

A full-stack e-learning platform targeted at social work and marginalized groups, supporting organization-scoped or individual profiles. Users could take or teach courses complete with assignments/exams and web-sessions for lectures.

ML-SANDBOX

PYTHON, NUMPY, PANDAS

A collaboration of ML applications highlighting different strategies of prediction from linear/non-linear regression to decision trees and multi-class logistic regression.

SKILLS & INTERESTS

Languages: Java, SQL, C, Python, GoLang, Bash

Web Development: React, JavaScript, TypeScript, HTML/CSS, AngularJS

Technology: Git, Jira, Jenkins, Maven, MongoDB, OracleDb, Neo4j, PostgreSQL