

# Simon Ha

4164574925 | [simon9ha@gmail.com](mailto:simon9ha@gmail.com) | [linkedin.com/in/simon-h9](https://www.linkedin.com/in/simon-h9) | [github.com/simonha9](https://github.com/simonha9)

## EDUCATION

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### University of Toronto

*Honors Bachelor of Computer Science*

Toronto, ON

*Exp Jan 2024*

## TECHNICAL SKILLS

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**Languages:** Java, SQL, Python, JavaScript, C, HTML/CSS

**Frameworks & Protocols:** Spring/Spring-Boot, Hibernate, React.js, Express, Node.js, AngularJS, OAuth 2.0 & OpenID Connect

**Databases & Tools:** Oracle, MongoDB, PostgreSQL, MySQL, ElasticSearch, Git, Maven, Jira, Jenkins, Eclipse

**Misc:** IBM-MQ, JMS, Linux/Unix, Docker/Docker Compose, Gitlab/BitBucket, NGINX

## EXPERIENCE

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### CloudFlare

Incoming SWE Intern - Workers Team

*May 2023 – Aug 2023*

*Austin, TX*

### BlackBerry Limited

SWE Intern - Enterprise Infrastructure

*May 2021 – Aug 2022*

*Mississauga, ON*

- Automated environment specific post-deployment service verification using Selenium, decreasing regression failures for new features and boosting code acceptance rate by 24%.
- Engineered LDAP queries and exposed a REST API over HTTP/S allowing admins to easily toggle permission group membership for a specific user in front end, decreasing overall time needed by 85% on average.
- Built an update-form for OpenID Connect and 3rd party IDP related applications using AngularJS and Spring increasing user-friendliness and positive client interaction responses by 30%.

### DayStar Limited

SWE Intern - Web Policy Services

*May 2020 – Aug 2020*

*Mississauga, ON*

- Delivered a Commercial Property product front-to-back using Vaadin and Java over 4 months.
- Leveraged Java API and MyBatis framework in backend to get and save data, including the use of stored procedures in Sybase, increasing overall efficiency of commonly retrieved data by 50%.

### Genworth Financial (Sagen)

SWE Intern Web Services

*May 2019 – Aug 2019*

*Oakville, ON*

- Implemented an Adapter Design Pattern to convert legacy-formatted data into new component through IBM Messaging Queue for JMS, saving the company over \$1000 in time and wages.
- Instituted a scheduler with Spring-Boot to upload reports to MongoDB and index content in Elasticsearch, automating DevOps task and increasing efficiency by 80%.

## PROJECTS

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### Artify | *Flask, Angular, MongoDB,*

- Art Generation Application with p5.js and deployed version of Stable Diffusion

### 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.

### Habitual | *MongoDB, Express, React, NodeJS*

- Simple habit tracker using MERN stack aimed to follow Atomic Habits philosophy with a set habit-forming equation.

### Pandas | *Python, Matplotlib, Numpy*

- Open source contribution to Pandas Library to add support for ZipFile.Path and Dict-based Hatch for DataFrame Plot