



Contact

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Technical Skills

Languages

- Java
- JavaScript (ES6)
- HTML/CSS
- SQL
- Python
- Kotlin
- C/C++
- Go

Frameworks & Tools

- AWS
- React
- Figma
- Hadoop
- Linux
- Git
- NodeJS
- MongoDB
- Docker
- ARCore
- JIRA
- Adobe Suite

Awards

Changemaker Innovation Challenge

2nd place out of 120+ teams

Valedictorian

Chosen from a graduating class of 350+ students

Education

University of Waterloo

Double Degree in Computer Science and Business
Sept. 2018 - Present

Activities: The Water Boys A Cappella, Hack the North, JDCC Laurier

Scholarships: President's Scholarship of Distinction, Parking BOXX Solutions Scholarship

Internships



Accenture

Software Engineering | Decentralized Identity

JAN 2020

- Built a **blockchain**-powered public health service from end-to-end — leading **software architecture**, **coding practices** and **Hyperledger Aries/Indy** (blockchain) research, documentation, and development
- Created **10+ RESTful API endpoints** using **AIOhttp**, **Python**, and **Hyperledger Aries/Indy** — responsible for **80% of server traffic** and **business logic**
- Wrote an **EAFP exception-handling** module from scratch to **decrease debugging time** and **increase code coverage by 30%**
- **Refactored 3 user flows**, creating **10+** responsive, re-usable **React** components
- Designed **user authentication** system using **OAuth 2.0**, **JWT**, and **WebSockets**
- Leveraged **AWS** to implement **serverless architecture** of **blockchain** network



TD Bank

Software Engineering | Android

MAY 2019

- Engineered an **augmented reality**, indoor-wayfinding app using **Android**, **ARCore**, **Flutter**, **Java**, and **Kotlin** following **MVVM** and **Agile** methodologies
- Acted as the **Android lead** and **developer advocate** — enforcing **creational design patterns** to **optimize code quality**
- **Decreased navigation time** of visiting executives and managers by **~45%**
- Created **20+ re-usable Flutter UI components** following TD standards to **increase developer productivity by 30%**



Jurisprudence

FEB 2019

- Built an **Android** app to improve accessibility to legal counsel
- Created a **high performance, concurrent backend API** using the **Government of Canada API**, **Cloud Natural Language API**, **Python**, and **Go**
- Leveraged **design thinking** to create intuitive **UI/UX** using **Figma**

JAN 2019



Speculator

JAN 2019

- Created a **progressive web app** to promote financial literacy in youth
- Created UX/UI flows in **Figma** to facilitate front-end development
- Used the **SEC Edgar API** to pull financial statement data from **1000+ publicly-traded companies** and create an assessment of overall financial health
- Used **Twitter API** for data and **Cloud Natural Language API** for **sentiment analysis**, to diagnose the public perception of company management

JUN 2018



Find It! Painless Shopping

SEPT 2017

- Created an **Android** app to help Ottawa natives search a compilation of nearby retail stores using **Java**, **JSoup**, **Google Maps API**, and **Adobe Creative Suite**






Misc. Projects

ALWAYS

[[Mynute](#)] [[White Lily Casino](#)]

ALWAYS

Extracurriculars

-  Logistics Organizer, 2020 — [[Hack the North](#)]
-  Musical Director, 2019 — [[The Water Boys - A Cappella Affiliate](#)]
-  Media & Promotions Director, 2019 — [[UW A Cappella Club](#)]