**Alex Ference**  Vancouver, BC

[alexference23@gmail.com](mailto:alexference23@gmail.com) [Portfolio Website](https://alexference.github.io/)

236-867-8923 [Linkedin Profile](https://www.linkedin.com/in/alex-ference-61069a173/)

**Education**

**McGill University, Montreal - B.Sc Computer Science** SEPT 2018 – MAY 2023

* Minor in Business (entrepreneurship)
* 3.6 GPA (out of 4.0)
* Tech-Accel Grant recipient for StudyBuddy startup
* Top 5 overall, Best use of GCP and Novartis Healthcare award at McHacks 8 (McGill’s hackathon)

**Technical Skills**

**Languages:** Java, Javascript, Typescript, Python, HTML/CSS

**Frameworks:** Spring Boot, React, React Native, Vue.js, Redux, Sass, Node, Express, Flask

**Databases:** SQL, PostgreSQL, Firebase Firestore (noSQL)

**Tools:** Visual Studio Code, IntelliJ, Jira, git, Github, Docker

**Work Experience**

**Cloud Developer Intern - CloudOps**  MAY 2022 - AUG 2022

* Responsible for building CloudMC orchestration platform using **Java**, **Spring**, and **VueJS** in order to support developer deployment, operations, and monetize cloud resources.
* Implemented billing feature leveraging **Java** and **Spring** to enable customers to buy cloud resources and supported by AWS, GCP, and Azure.
* Improved client satisfaction by promptly delivering efficient bug fixes through active contribution to multiple hotfixes reducing the backlog by **16%** over the 4-month term.

**Software Engineer - Katorio Software Inc. (Subsidiary of Kabam)** AUG 2020 - AUG 2021

* Reported to product owners to translate wireframe designs into a web application with **ReactJS** and **Redux**, focusing on performance by improving page load time by **55%**.
* Collaborated on a team with 2 engineers and 2 designers to develop a web platform with **ReactJS, Typescript** and **NodeJS**
* Identified and resolved render time issues for videos and thumbnails, and led development efforts to implement caching techniques to reduce load time of by **80%**.
* Led the design and development of a video preview feature leveraging **Typescript**, **Node**, **Firebase** cloud functions and video streaming technologies.

**Co-Founder - StudyBuddy** MAY 2020 - MAR 2021

* Led a team of 1 other engineer and 2 designers to develop a web application using **ReactJS** that enables tracking and analyses of study habits. We were able to achieve **400+** users and **50** daily users.
* Product used by students at over 15 universities across Canada with over **20,000 hours** of studying being logged. Received a $2,000 grant from McGill University to pursue the venture.

**Coding Projects**

**Conscious Consumer** FEB 2022

* Developed a **Chrome Extension** that helps consumers find local shopping alternatives.
* Placed **3rd overall** out of 94 teams (342 participants) and **1st** in the Ivey School of Business Challenge, winning over $1400 in prizes. Link: [Conscious Consumer](https://devpost.com/software/conscious-consumer-l6a2sd)

**Back of the Fridge** FEB 2023

* Created a web app at McHacks (McGill’s Hackathon) with **ReactJS** and **NextJS**, incorporating the Cohere NLP API to generate recipes based on provided ingredients. Secured **1st** place in the "Best Use of NLP with Cohere" challenge”. Link: [Back of the Fridge](https://back-of-the-fridge.vercel.app/)