



# MATHIEU DUFOUR

SOFTWARE ENGINEER

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## EDUCATION

### McGill University, 2018-2021

Software Engineering, GPA: 3.7/4.0  
Minor in Entrepreneurship

## TECHNICAL SKILLS

JavaScript/TypeScript

React (JS / TS, w/ Redux)

Node.js (JS / TS)

Google Cloud Platform (Firestore,  
Firebase Auth, Cloud Run, Hosting)

Python

Java

PostgreSQL (w/ Liquibase)

## LANGUAGES

English (fluent)

French (native)

Spanish (beginner)

## SUMMARY

I'm a software engineer with experience designing, developing, and maintaining user-focused software. Most of my experience is in full-stack web development, with personal pursuits in machine learning and natural language processing. On my own time, I love to solve rock climbing problems, build drones and travel the world.

## PROFESSIONAL EXPERIENCE

WFHomie (1 year, 3 months)

### Full-Stack Developer

*August 2021-Present*

- React Node.js TypeScript GCP PostgreSQL Liquibase Java Mixpanel
- Owned the front end of WFHomie's Analytics platform, using Airbnb's visx charting library for data visualization.
  - Full automation of class registrations on the platform, using the Google Calendar API to create and update calendar events.
  - Developed WFHomie Kudos, a Slack app installed and used by over 50 companies, and that got featured on Product Hunt's newsletters.
  - Maintained a Java (Spring) codebase and PostgreSQL database (w/ Liquibase).

### Software Developer Intern

*January 2021-April 2021*

- React Redux Node.js JavaScript Google Cloud Platform Stripe API
- Designed, implemented, and maintained features on the WFHomie platform, often working on tight deadlines to prepare features for clients.
  - Implemented a booking system using the Stripe API
  - Designed and implemented an authentication and access control system.
  - Fully design and implemented a Slack bot that manages user interactions.

Coveo (4 months)

### Software Developer Intern (Full-Stack)

*May 2021-August 2021*

- React TypeScript Redux Scala .NET (C#) Terraform
- Implemented a point-and-click interface that improves the user experience of a crucial part of the Coveo platform, used by end users on a regular basis.
  - Improved the performance of connectors written in C# and Go.
  - Participated in Agile ceremonies including sprint planning and retrospectives.

CGI Inc. (4 months)

### Programmer Analyst Intern

*May 2019-August 2019*

- C# .NET PowerShell
- Developed a desktop application to automate the migration of mailboxes from on-premise Exchange servers to Office 365.
  - Wrote PowerShell scripts to automate tedious tasks executed by technicians.