

# Mathieu Godin

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## Skills

**Programming Languages** - C# • TypeScript • JavaScript • SQL • Python • Go • C++ • C • Swift • Java • PHP

**Tools** - Git • Bash • Powershell • Docker • Visual Studio • IntelliJ • Android Studio • Xcode

**Frameworks** - Node.js • Deno • React • Vue • ASP.NET Core • Laravel • PyTorch • Kafka • Spark • Jest • NUnit • JUnit

## Experience

### Software Developer - Ceridian Toronto, ON

May 2022 - November 2023

Dayforce Candidate Management, Guidelines and Message Center

C# • TypeScript • SQL • ASP.NET Core • React

- Developed LaunchDarkly APIs that make it possible to release features to specific clients in a few clicks
- Made new and previous screens thoroughly follow the best accessibility standards by following WAI's WCAG 2.1
- Developed React grids and dialogs that fetch and send data to the back end
- Developed REST APIs and SQL Server queries that retrieve and save data on which sorts, filters, and business logic are performed
- Developed an interactive dialog allowing the insertion of different tokens to send personalized reward messages

### Software Developer Intern - Ceridian Toronto, ON

September 2021 - December 2021

Dayforce Reward Letters and Compensation Cycles

C# • TypeScript • SQL • ASP.NET Core • React

- Upgraded REST APIs to send additional data and developed new features such as Reward Letter Equity Details using IronPDF

### Software Developer Intern - Skillbook Academy Toronto, ON

January 2021 - April 2021

Skillbook Academy's Administrator Dashboard

TypeScript • PHP • Laravel • Vue • SQL

- Developed robust and secure REST APIs, MySQL tables normalized to BCNF, and Vue components using Stripe's API

### Software Developer Intern - Virtek Vision Waterloo, ON

June 2020 - August 2020

Virtek PDC 2020.08

C# • Python • C++ • WPF • ACIS

- Developed new features including Center Snap Mode and Projected Text, improved the installer and reduced the build time by 88%

### Software Developer Intern - Bentley Systems Burlington, ON

September 2019 - December 2019

Bentley APM Mobile Inspections

C# • Xamarin • Android • iOS

- Developed dark mode, ability to scan distant barcodes by improving the Zxing.Net.Mobile library and Collection Requirements feature

### Software Developer Intern - Netint Technologies Markham, ON

January 2019 - April 2019

Netint T408 Codensity SSD Automated Tests

Python • NVMe

- Developed automated tests that test random and sequential read and write operations

### Software Developer Intern - Wind River Systems Ottawa, ON

May 2018 - August 2018

Wind River Titanium Cloud Infrastructure

Python • InfluxDB • Grafana

- Developed dashboards that track network performance and process counts in real time

## Education

### University of Waterloo Waterloo, ON

September 2017 - April 2022

Bachelor's Degree, Honours Software Engineering, Co-op

## Projects

### Talk to Me

August 2022

First Place for Most Well-Rounded Hack in North America, Ceridian Hackathon 2022 (HR form chat bot app)

TypeScript • Swift • iOS • React

### Licode

September 2020 - April 2022

University of Waterloo Capstone Project (1v1 equivalent of leetcode.com)

TypeScript • Go • Deno • Docker • SQL • React

### Machine Learning Models

January 2022 - April 2022

Multiple neural network models (CNNs, MLPs, RNNs, GANs, VAEs, GMMs, logistic regression, perceptron)

PyTorch • Python

### Distributed Systems

May 2021 - August 2021

Multiple client-server applications (Graph processing, RPCs, Big Data, Fault Tolerance, Streams)

Kafka • Spark • Hadoop • Zookeeper • Java

### Once Upon a Time

September 2018

First Place - Hack the North 2018 (VR app generating scenery according to the story you're telling)

C# • Node.js • IBM Watson • Socket.io • Unity