

ADAM CARNAFFAN

Software Developer

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📍 Toronto, CA

🌐 www.adamcarnaffan.com

MY PHILOSOPHY

Immense social energy goes into building better solutions every day. I thrive on that energy and make lifelong learning, while enjoying what I'm doing, a priority.

WORK

Lead Developer

Query-It

📅 Apr 2020 - Ongoing

📍 Calgary, AB (Remote)

- Building the company's React-based application with a Firebase backend
- Coordinating with other team members focused on mobile and third-party tech integration

Software Developer

Ecoli-Sense Ltd.

📅 Mar 2020 - Ongoing

📍 Toronto

- Applying machine learning to proprietary sensor readings in order to classify harmful bacteria and pathogens in water.
- Developed a real-time IoT server network for collecting data and communicating with devices.

Custom ERP Developer

Ward Industrial Equipment Inc.

📅 Apr 2019 - Aug 2021

📍 Niagara (Remote)

- Developing a custom ERP in the metal fabrication industry, from SCM (Supply Chain) to resource scheduling & management.
- Interfacing with existing business hardware to integrate data into custom ERP system.

Research Assistant

MannLab

📅 Feb 2020 - Sept 2020

📍 Toronto

- Working with Bluetooth at the firmware level to optimize performance of BLE across systems
- Interpreting complex wave state information from routers using custom firmware
- Visualizing waves in real time using Sequential Wave Imprinting (SWIM)

INTERESTS

Figure Skating

📅 2006-Present

- Competed at the provincial level for pairs ice dancing
- Volunteered at local clubs in their Learn to Skate programs

PROJECTS



Autonomous Vehicle Charger

Arduino actuation control & PCB layout/printing



Play the Orchestra

Networking of IoT devices for live classical jazz-like improvisation (low latency critical)

SKILLS

Technical

Python

SQL

Javascript

C++

Java

Angular

React

UNIX

Git

AWS

GCP

Firebase

Soft

Hard-working

Eye for detail

Agile Methodology

Highly Collaborative

Strong Communication

Waterfall Methodology

Languages

English - Native

French - DELF B2 Proficient

EDUCATION

Engineering Science, Major in Machine Intelligence (Expected)

University of Toronto

📅 Sept 2018 - June 2022

Completed Courses include:

- Linear Algebra
- Digital Computer Systems
- Systems Software
- Data Structures & Algorithms

Certificate in Project Management

Google - Coursera

📅 Nov 2020 - July 2021