

Andrew Drury

3rd Year Mechatronics Engineering • University of Waterloo

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SKILLS

Languages

JavaScript	Apex (DML)
TypeScript	C++
SOQL (SQL)	C
HTML5/CSS3/SAS	Swift

Frameworks:

Node.js (Vue.js)
Bootstrap
Core ML

Technologies

Tensorflow
Flask RESTful API
Salesforce
Postman
Apple's ARKit
Blockmason LINK (Blockchain)
Git

Cloud

Google Cloud Platform
Heroku
Firebase
Microsoft Azure

Design

Sketch
Invision
Zeplin

EDUCATION

University of Waterloo

Candidate for BAsC in Honours
Mechatronics Engineering
Expected Grad. April 2022

INTERESTS

Hackathon Enthusiast (10+)
Music Production
Bouldering
Podcasts

EXPERIENCE

Stratus360 - Salesforce Partner

Sept 2019 – Dec 2019

Full Stack Developer

Toronto, ON

- Developed CRM web software to manage the Officers & Directors of companies on the Toronto Stock Exchange
- Developed the **backend** managing customer's data in **Apex & SOQL** and interfacing with the **frontend** written in **Javascript**
- Developed a component that enables robust custom query generation for non-developers using **SOQL & SOSL**

TD Innovation Lab

Jan 2019 – Apr 2019

Software Developer

Kitchener, ON

- Developed an advisor recommendation engine hosted as a responsive website with **Vue.js**, **Bootstrap**, and **SCSS**
- Ran matching algorithms against a **Cloud Firestore database**
- Created a **Flask Restful API** endpoint with **Heroku** to decrypt encrypted advisors from Deloitte lab's ML recommendations

ZurApps Research Inc.

May 2018 - Aug 2018

iOS & macOS Software Engineering Intern

Toronto, ON

- Responsible for updating and maintaining **21 apps** in **Swift** and **Objective-C** used by over **40,000** consumers
- Developed an app that enables mathematical document creation in **Swift** with a predictive input interface

PROJECTS

grow Swift

1st Place, Hack Lasseonde - 2019

Grow recognizes company logos using a custom **Core ML model** and displays their eco-friendliness in AR with **Apple's ARKit**.

Table Story Vue.js

Best UI/UX Hack, Hack the Valley III - 2019

A **mobile web app** that creates a social community of food enthusiasts. A **Tensorflow model** was trained to recognize food items in a picture in order to create a user's food identity.

FlySafe Node.js, Swift, Solidity

Hack the North - 2019

FlySafe scans and secures important data such as IDs, cards and tickets with Blockmason LINK, a **blockchain microservice**. Data is accessible via Face ID using **Microsoft Azure**.

ePaid Swift

1st Place, Midterm Hack TD Lab - 2019

Developed a freelance invoicing solution that tracks and automates payments using **Interact's e-Transfer API**. I presented my application to the VPs of technology at Toronto-Dominion Bank.