

# Andrew Drury

3rd Year Mechatronics Engineering • University of Waterloo

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## SKILLS

### Languages

JavaScript  
SQL  
HTML/CSS/Sass  
Apex (DML)  
C++  
Swift

### Frameworks:

Node.js (Vue)  
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

Adobe XD  
Sketch  
Invision  
Zeplin

## EDUCATION

### University of Waterloo

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

## INTERESTS

Hackathon Enthusiast (10+)  
Music Production  
Ice Hockey

## EXPERIENCE

### Stratus360 - Salesforce Platinum Partner

Sept – 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 – 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 - 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 **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**.