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## Experience

### PointClickCare — Cloud-Based Healthcare Software

Toronto, Ontario  
Jan 2020 – April 2020

#### Software Engineer Intern

- Worked on web-platform's Financial Management module; tasked with billing and payments using **Spring** with **Java**
- Provided **over 1.4 million** active clients a new channel for billing by creating new transaction type through engineering End-End **feature** for PCC cash app
- Enabled cross-compatibility for Financial Management operations on **~100 million** transactions by adding module-wide support for new transaction type with **SQL** and Spring
- Prevented **unauthorized** access to payment accounts by constructing new transaction **API endpoints** to fetch accounts based on security permissions
- Implemented **automated testing** infrastructure for PCC Web-Platform in Java with **Selenium**, contributing to a **95%+** team test pass rate

### Inetco Systems — Real-Time Transaction Monitoring and Analytics

Vancouver, British Columbia  
May 2019 – August 2019

#### Full Stack Developer Intern

- Worked on Insight, a software platform to monitor transactions in real-time, using **Angular**, **RxJS** and **Nvd3**
- Built a new framework for the transactions data API, decreasing response times by **50%**
- Designed a new transaction data model schema, increasing data process speed for **50+** live RxJS subscription sources
- Constructed **RESTful API interfaces** for transaction data, streamlining CRUD operations and improving system cohesion
- Implemented a **live timezone switching** feature for international users with Moment Timezone

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## Skills

Languages	Java, JavaScript, C++, C, Python, SQL, HTML, CSS
Technologies	Spring, Node.js, Angular, React, PostgreSQL, Express.js, Selenium, TestNG, Raspberry Pi, Arduino
Tools	Git, Maven, Jira, Fisheye, Confluence, IntelliJ

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## Projects

### CookMe! — Web App for Hungry Cooks

[github.com/HanssonLin/CookMeApp](https://github.com/HanssonLin/CookMeApp)

- Web app that lets users search for posts about food and displays recipes; built with **React**, **Node.js**
- Engineered API to **query live data** from Instagram posts based on user's selected food-type
- Fetched labels related to food images from **Node server** calling Google Vision API
- Constructed algorithm that uses selected food label to **fetch most relevant recipe** from BigOven API

### Simpli-Fly — Hand-motion Drone Piloting 🚁

[devpost.com/software/simpli-fly](https://devpost.com/software/simpli-fly)

#### Hack The North 2018 Prize Winner

- A program that enables a drone to be flown using a Leap Motion controller; built with **Python**, **C**, **Arduino**
- Transmitted motion data from PC running **Python** to on-board **Arduino** through **Bluetooth** using PySerial
- Used Leap Motion controller to **convert hand motion** and vectors to Pitch, Roll, Throttle values

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## Education

### University of Waterloo

B.S.E. Software Engineering

Waterloo, ON  
2018 – Present