

# Jason J. Ellul

SOFTWARE ENGINEERING STUDENT · FULL STACK DEVELOPER

Guelph, ON

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## Skills

- Programming:** JavaScript, Swift, Perl, C, Objective-C, Java, Bash
- Front-end:** React & React Native, HTML, CSS, JQuery, UI & UX Design
- Back-end:** Node, Express, Cron & Daemon processes, Asynchronous programming, Databases (MySQL, MS SQL Server & NoSQL)
- Software:** Microsoft Office Suite, Xcode, VMWare, Windows (Server, 7 & 10), Linux (Ubuntu & RHEL), Drupal, Jekyll, WordPress
- Communication:** Confident with public speaking, presenting technical information through written and verbal forms of communication
- Administration:** Networking (intermediate), Apache web server, SAMBA file share, SSH configuration, SQL Server

## Experience

### Full Stack Developer

Burlington, ON

SECURCOR FINANCIAL GROUP

May 2019 - present

- Designed and developed a new React front-end for the external company website and reduced future outsourcing costs by \$1000/month
- Created a REST API and conforming web application using React, Node, and Express that enables non-technical employees to manage SFTP users and shared folders between clients and Securcor servers
- Researched potential emerging frameworks to integrate into existing proprietary software and presented working demonstrations to show the benefits or disadvantages of each considered framework

### Mobile Applications Developer

Guelph, ON

VALUE CONNECT

Jan. 2019 - May 2019

- Developed a mobile application for Android and iOS that modernized the home appraisal process by enabling the photos required for a residential appraisal report to be collected quickly and efficiently on an appraiser's phone or tablet
- Designed and implemented a highly usable React Native front-end that offers a consistent user experience by automatically syncing collected residential data with an existing REST API in addition to saving work done locally on the device for offline capabilities

### IT Consultant

Guelph, ON

COMPUTING & COMMUNICATIONS SERVICES (CCS) - UNIVERSITY OF GUELPH

Apr. 2018 - May 2019

- Worked closely with other CCS teams to provide IT solutions to University staff, faculty, and students in fields such as networking, security, operating systems, hardware, servers, databases, and software
- Analyzed, identified, and presented IT solutions to issues in a timely, professional manner and communicated technical information in the service ticket accordingly
- Developed websites that comply with accessibility standards using Drupal to document the University's IT services

### Founder & Lead Developer/Designer

Toronto, ON

MOTIVE

Mar. 2018 - present

- Founded a map-based mobile social networking application available on the iOS App Store that enables users to post events onto a global map in the form of *motives*, and to comment on or like other users' posts
- Designed and programmed a Swift front-end and Node back-end to create a seamless application that updates users in real-time
- Conducted usability tests and applied the results to create a unique and memorable user experience

## Education

### Honours Bachelor of Computer Science (Co-op)

Guelph, ON

UNIVERSITY OF GUELPH

Sept. 2016 - May 2021 (Expected)

- University entrance scholarship awarded for maintaining a 92% admission average
- 4.0 cumulative weighted GPA last academic term

## Honors & Awards

### 2016-2019 Dean's List: College of Physical and Engineering Sciences

Guelph, ON

Awarded on four separate occasions for having achieved greater than a 80% cumulative average during the F16, F17, W18, and W19 academic semesters

### Feb. 2018 Cryptography Side Challenge Winner

Toronto, ON

Attended the 2018 Collision Conference after winning tickets during Hack the Valley 2 for being the first group to successfully solve the Cryptography Challenge