

## EXPERIENCE

---

### Software Developer Tangam Systems

Jan 2018 to Apr 2018  
Waterloo, ON

- Prototyped a casino table management progressive web app using **Ionic 2**, **MongoDB** and **Node.js** that allows users to manage table recommendations while on the casino floor
- Implemented calculation for capacity and labour percentage of casino tables using **C#** and **SQLite**
- Created settings components and file uploader for an analytics page in **Angular 2**
- Refactored **Angular 2** components to replace depreciated Http module with HttpClient module
- Created mock components for **Angular 2** unit tests and improved unit test code coverage by 5%

### Automation Developer Imagine Communications

May 2017 to Aug 2017  
Toronto, ON

- Conducted regression testing using **Python** and **Jenkins**, reduced testing time by an hour per cycle
- Developed a library for capturing, transferring and analyzing packets from a remote server
- Implemented a depth-first search to test all settings for a network controller
- Automated documentation website creation for our Git repository using **Sphinx** and **Jenkins**

### Freelance Developer Upwork

Jun 2017 to Sep 2017  
Toronto, ON

- Created web scraping scripts using Python libraries including **scrapy** and **Selenium**
- Developed a program to parse a CSV file from Box and enter content into Stratics using their APIs
- Automated sports league website updates by parsing Excel data using **Python**
- Implemented proxy support for an automation script to fill out user forms using **Python** and **httplib**

## PROJECTS

---

### SnapCache - Hack the North

Sep 2017

- Social media platform for users to take a photo and associate the photo with a location
- Utilizes dynamic realtime mapping to display photos as markers using the **Google Maps API**
- Created a web app using an **AngularJS** frontend and a **Firestore** backend

### Moodify - Android App

Mar 2017

- Winner of StartHacks 2017
- Utilizes the **Google vision API** to analyze a picture
- Developed an algorithm to identify recommend a playlist based on the colors in the picture

### Waterloo Works Chrome Extension

Jan 2017

- Improved usability on Waterloo Works through manipulating **HTML DOM** by removing clutter
- Reduced average time spent on Waterloo Works by 1 minute per session for 50+ users

## SKILLS

---

**LANGUAGES:** Python, Java, JavaScript, TypeScript, C, C#, HTML, CSS, Racket

**FRAMEWORKS:** Angular, Node.js, .NET, Bootstrap, Selenium

**TOOLS AND TECHNOLOGIES:** Git, SQL, MongoDB, Bash, Jira, Jenkins, Emacs

## EDUCATION

---

University of Waterloo

Candidate for Bachelor of Computer Science: Computer Science 2021

Faculty Average: 87.71%