

EXPERIENCE

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 **Firebase** backend

Moodify - Android App

Mar 2017

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

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 for 50+ users

Paint Program

Apr 2016

- Implemented **object-oriented programming** by using **inheritance** and **polymorphism**
- Shapes inherits properties such as coordinates from an abstract shape object

SKILLS

LANGUAGES: Python, Java, JavaScript, HTML, CSS, Racket

FRAMEWORKS: jQuery, AngularJS 2, Bootstrap, Selenium

TOOLS AND TECHNOLOGIES: Git, Bash, Jira, Jenkins, Linux, NoSQL, MySQL, Emacs

EDUCATION

University of Waterloo

Candidate for Bachelor of Mathematics 2021

Planned major: Computer Science and Statistics