
SKILLS

Languages – Java, Swift, Python, Objective-C, SQL, HTML5, CSS3

Technologies – Android SDK, iOS & macOS SDK, Git, OpenCV, Firebase

WORK EXPERIENCE

Mobile Software Engineer

Sep 2017 – Feb 2018

Kinetic Commerce

Toronto, ON

- Developed client apps for **iOS**, **macOS** and **Android (Swift, Objective-C, Java)**
- Contributed to the shipping of a new product by taking ownership of various key features
- Communicated with clients to discuss technical requirements and limitations of proposed features

Software Developer

Jan 2017 – Apr 2017

Videri Inc

Montreal, QB

- Developed a feature to detect the appealing regions of an image on upload (**OpenCV, Java**)
- Designed and implemented an image thumbnailing and cropping system based on regions of interest
- Improved existing object detection success rate from **60% to 95%**

Application Developer

May 2016 – Aug 2016

Aeryon Labs

Waterloo, ON

- Developed features to control and monitor Aeryon's flying robot (sUAS) in real-time (**Java**)
- Optimized the main navigation and control UI to improve user experience
- Created an internal tool to erase sensitive information from flight logs (**Python**)

Project Management Intern

Sep 2015 – Dec 2015

Hydro One

Brampton, ON

- Developed a script that traces the city grid and generates information for queried paths
- Automated detection of errors within the company's GIS database (**Python**)

Hardware Test Automation Intern

Jan 2015 – Apr 2015

SkyWave

Ottawa, ON

- Designed and created an application to automate long-term power consumption tests (**Python**)

Hardware Design Validation Intern

May 2014 – Aug 2014

General Electric

Markham, ON

- Tested various components for suitability in GE's substation controller boards

PROJECTS

Sidewalker (Capstone Project)

Android

- Designed and created an app for a pedestrian safety device
- Developed the image processing system used to detect bicycles (**Python, OpenCV**)

Countdown Buddy

Android

- Published an **Android** app that solves the Numbers game from the game show *Countdown*

EDUCATION

University of Waterloo

Sep 2013 – Apr 2018 (Expected)

BASc in Electrical Engineering, Honours (Co-op)

Waterloo, ON