Tom Robertson
Software Developer

tom_r3@hotmail.com ✉
519-242-4711 📱
60 Braun St., Kitchener, Canada 📍
www.tomrobertson.me 🌐
linkedin.com/in/tom-r3 in
github.com/tom-r3 ⬡

I am a well-rounded software developer with over 2 years of experience working with Python. I currently work at Clearpath where I lead a team responsible for scaling our fleet manager application. I specialise in back-end work and scalable, object oriented design however I have some experience with front-end work as well.

WORK EXPERIENCE

Software Developer
Otto Motors / Clearpath ⬈

10/2017 – Present   *Kitchener, ON*
Self driving vehicles for industrial applications.

Achievements/Tasks

- I currently lead a team responsible for scaling our fleet manager application to work with more robots. We have increased our robot count by 250% during my time here.
- My team runs all of our large fleet testing and builds/maintains all of the tools/infrastructure required to do so. My team is currently 5 people plus a coop.
- I am responsible for planning out each release/sprint and designing new features/components, second level triage of our tests as well as development.
- I have developed multiple Python packages from scratch which are relied upon heavily by the company and form the backbone of our scaling strategy.
- Maintain and develop a production data pipeline providing reliable file upload and scalable, automatic analysis of customer data.

Analyst
Laurier Startup Fund

04/2017 – 08/2017   *Waterloo, ON*

IT Analyst
Federal Economic Development Agency

09/2015 – 01/2016   *Waterloo, ON*

Global Supply Chain Supervisor
General Motors

01/2015 – 04/2015   *Ingersoll, ON*

EDUCATION

Honours Bachelor of Business Administration
Wilfrid Laurier University

09/2012 – 08/2017   *Waterloo*

Honours Bachelor of Computer Science
University of Waterloo

09/2012 – 08/2017   *Waterloo*

SKILLS

Skill	Level
Python	●●●●●
C++	●●●●○
ROS	●●●●●
HTML/CSS	●●●○○
Javascript	●●●○○
Unix	●●●●●
Bash	●●●●○
Django	●●●○○
Jenkins	●●●○○
REST/Websocket APIs	●●●●●
Git	●●●●○

PERSONAL PROJECTS

Yata2yata Application ⬈
- Developed a mobile trading platform (similar to Kijiji) for iOS/Android based on given specs using React and Firebase.
- Developed as a freelance project with one other developer.
- The app currently has 5 stars and over 100 downloads on the google play store.

Leadme Lead Capture (09/2016 – 01/2019)
- Co-founded and assisted development of a lead capture/management platform called Leadme.
- Developed a smartwatch app using C and the Pebble IDE that can recognize handshakes, take voice notes and interact with the Leadme phone app via Bluetooth.
- Built a custom low-cost smartwatch using an Adafruit trinket and Arduino Processing.
- Co-developed a mobile application that displays profiles and connections and records new connections via a Bluetooth connection with the smartwatch.

Freelance Website Development
- Developed and published several websites for several clients using Bootstrap.