

# Illya Myshakov

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## LINKS

🌐 [illyamyshtakov.com](http://illyamyshtakov.com)  
🐙 [github.com/IllyaMyshakov](https://github.com/IllyaMyshakov)  
🌐 [linkedin.com/in/illyamyshtakov](https://linkedin.com/in/illyamyshtakov)

## SKILLS

### PROGRAMMING

C++	C	HTML
CSS	Java	Python
Javascript	VHDL	RAPID
Assembly	Matlab	L <sup>A</sup> T <sub>E</sub> X

### TOOLS AND TECHNOLOGIES

Android Studio	AutoCAD
Git	Bootstrap
Arduino	Linux

### LANGUAGES

English    French  
Ukrainian

## EDUCATION

### UNIVERSITY OF WATERLOO

**BASc in Electrical Engineering**  
2017 - Present | Waterloo, ON

### AWARDS

**University of Waterloo President's Scholarship**

Jul 2017

**Global Citizenship and Community Action Award**

May 2017

**Duke of Edinburgh's International Award, Silver Standard**

Jun 2015

## COURSEWORK

### UNDERGRADUATE

Data Structures and Algorithms  
Object Oriented Software Development  
Digital Circuits and Processor Design (ARM Cortex)  
Analysis of Electronic and Linear Circuits

## INTERESTS

Cycling  
Cross-country jogging

## EXPERIENCE

### SILFAB SOLAR INC | Production Operator

May 2018 – Aug 2018 | Mississauga, ON

- Wrote a **C++** program that collected daily production data and generated Excel files for QA department which increased reporting time efficiency by 35-50%.
- Independently learned **RAPID** robot automation procedures and troubleshooting techniques via HMI control for application in assembly line processes, including conveyor belt operation.
- Ensured daily production of 100+ solar panels by maintaining supervision of machinery via a Java-based touch interface and collaborating with other professionals.

### WATERLOOP | Electrical Team

September 2017 – August 2018 | Waterloo, ON

- Utilized **AutoCAD** for complete design of sensor parts used on-board the Waterloop pod within 4 days.
- Collaborated with upper-year students to utilize **Arduino** microcontroller boards to create a cycle-testing device which systematically read and saved output voltages from testing Lipo cells.
- Learned soldering and crimping within two weeks through creating sensor circuits that allowed operations of on-board sensors.

### GFL ENVIRONMENTAL INC | Recycling Sorter

June 2017 – September 2017 | Waterloo, ON

- Developed organizational skills by augmenting sorting efficiency of 11-person team, ensuring daily quota of +40 bales.
- Refined leadership skills by training 2 new personnel in accordance to strict sorting and safety procedures.

## PROJECTS

### PORTFOLIO WEBSITE

May 2018 – Present

- Utilized **HTML**, **CSS**, and **JavaScript** to construct personal portfolio website showcasing short biography, completed projects, previous employment volunteer experiences, contact information and resume.
- Designed UX using **Bootstrap** framework and AOS library to generate fade-in effects on scroll for Experience page.

### BB-8 DROID CONSTRUCTION

Apr 2016 – Jan 2017

- Designed interface between an **Arduino** Uno, Motor Shield and Bluetooth module by creating functions via Arduino Studio that allowed wireless RC motor control.
- Crafted rigid shell, wooden base-plate and head using tools such as a jigsaw, electric drill and bevel sander.
- Designed in **AutoCAD** and constructed robot head utilizing neodymium magnets to retain balance on spherical shell