

Illya Myshakov

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LINKS

🌐 illyamyshtakov.com
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SKILLS

PROGRAMMING

C++	C	HTML
CSS	Java	Python
Javascript	VHDL	RAPID
Assembly	Matlab	L ^A T _E X

TOOLS AND TECHNOLOGIES

Android Studio	AutoCAD
Git	SVN
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

CERTIFICATIONS

WHMIS Training and Certification

University of Waterloo | 2017

IB Diploma

International School of London
Qatar | 2017

INTERESTS

Cycling
Cross-country jogging
Swimming

EXPERIENCE

SILFAB SOLAR INC | Production Operator

May 2018 – Aug 2018 | Mississauga, ON

- Utilized **C++** to create a program that collected daily production data and generated Excel files for QA department, 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.
- Maintained supervision of solar panel production machinery via a Java-based touch interface while collaborating with other professionals; ensuring daily production of +100 solar panels.

WATERLOOP | Electrical Team

September 2017 – August 2018 | Waterloo, ON

- Acquired 7 hours of **AutoCAD** experience through design of sensor parts used on-board the Waterloop pod.
- Furthered **Arduino** knowledge through constructing a cycle-testing program which systematically read and saved output voltages from testing Lipo cells.
- Learned soldering and crimping within two team meetings through creating sensor circuit 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

BB-8 DROID CONSTRUCTION

Apr 2016 – Jan 2017

- Designed interface between an **Arduino** Uno, Motor Shield and Bluetooth module via specialized functions 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

COURSEWORK

UNDERGRADUATE

- Object Oriented Software Development
- File analysis, and error checking during creation of functions
- Creating, sorting, and storing abstract data structures
- Handling dynamic memory allocation through linked lists that utilized class and struct definitions
- Analysis of Electronic and Linear Circuits