

Illya Myshakov

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SKILLS

PROGRAMMING

Experienced:

• C++ • C • HTML • CSS

Familiar:

• Java • XML • Javascript • Python
• VHDL • RAPID • Matlab • Assembly
• \LaTeX

TOOLS AND TECHNOLOGIES

• Android Studio • AutoCAD • OpenCV
• Git • SVN • Arduino

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

Canadian Senior Mathematics 2016 Contest (top 25th percentile)

Nov 2016

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

LINKS

🌐 [illyamyshakov](#)
🐙 [IllyaMyshakov](#)
🌐 [illyamyshakov](#)

EXPERIENCE

SILFAB SOLAR INC | Production Operator

May 2018 – Aug 2018 | Mississauga, ON

- Utilized **C++** to create a program that collected production data and generated Excel files for QA department; increased reporting time efficiency by 35-50%.
- Advanced technical skills by maintaining automated solar panel manufacturing machinery via HMI control; ensuring daily production of +100 solar panels.
- Learned and used **RAPID** while collaborating with other professionals; advanced understanding of automated processes.

WATERLOOP | Electrical Team

September 2017 – August 2018 | Waterloo, ON

- Acquired **AutoCAD** experience through design of sensor parts used on-board the Waterloo pod.
- Furthered **Arduino** knowledge through constructing a cycle-testing program which would systematically read and save output voltage from a Lipo cell.
- Learned soldering and crimping within three 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

A hardware project, utilizing **Arduino** motherboards and custom-crafted components which mimics the shape and movement of the Star Wars droid.

- Responsible for interfacing an Arduino Uno, Motor Shield and Bluetooth module via specialized functions that would allow wireless RC motor control.
- Crafted rigid shell, wooden base-plate and head using professional machining tools.
- Constructed head with strong neodymium magnets that would always retain balance on top of the droid shell.

COURSEWORK

Fundamentals of Programming