

Illya Myshakov

✉ imyshako@edu.uwaterloo.ca
☎ 226-606-5105

SKILLS

PROGRAMMING

Experienced:

C++ • C • HTML • CSS

Familiar:

Java • XML • Javascript • Python
• VHDL • Matlab • Assembly • Rust
• L^AT_EX

TOOLS AND TECHNOLOGIES

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

LANGUAGES

English • French • Ukrainian

EDUCATION

UNIVERSITY OF WATERLOO

BASc in Electrical Engineering

2017 - 2022 | Waterloo, ON

COURSEWORK

Fundamentals of Programming

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

🌐 [illyamyshtakov](#)
🌐 [IllyaMyshakov](#)
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PROJECTS

BB-8 DROID CONSTRUCTION

Apr 2016 – Jan 2017 | Doha, Qatar

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.

EXPERIENCE

SILFAB SOLAR INC | Production Operator

May 2018 – Aug 2018 | Mississauga, ON

- Created **C++** 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.
- Furthered engineering literacy by working daily with professional engineer; advanced understanding of manufacturing processes.

WATERLOOP | Electrical Team

September 2017 – August 2018 | Waterloo, ON

- Learned soldering and crimping through creating sensor circuit that allowed operations of on-board sensors.
- Acquired **AutoCAD** experience through sketching up sensor parts used on-board the Waterloo pod.
- Furthered **Arduino** proficiency through constructing a cycle-testing program which would systematically read and save output voltage from a Lipo cell.

GFL ENVIRONMENTAL INC | Recycling Sorter

June 2017 – September 2017 | Waterloo, ON

- Developed leadership skills by augmenting sorting efficiency of 11-person team ensuring daily quota of +40 bales.
- Refined organizational skills by assigning team members to specified duties in accordance to strict sorting and downtime procedures.