# ILLYA MYSHAKOV
## ELECTRICAL ENGINEERING

## Contact

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## Skills

**PROGRAMMING LANGUAGES:**
C/C++
Python
Java
JavaScript
HTML
CSS

**OPERATING SYSTEMS**
Windows
UNIX
Linux
macOS

**LANGUAGES**
English
French
Ukrainian

## Education

**University of Waterloo**
Bachelor of Applied Science
Electrical Engineering 2022

**International School of London, Qatar**
IB Diploma 2017
Graduated with full International
Baccalaureate Diploma.

## Relevant Coursework

**Usage of C++ in:**

- Handling dynamic memory allocation through linked lists that utilized class and struct definitions.
- File analysis, error checking and creation.
- Creating, sorting, and storing abstract data structures.

## Summary of Qualifications

- **Effective application of knowledge** and **efficient time management** gained through the rigorous curriculum and fast-paced teaching style of the International Baccalaureate program.
- **Strong organizational skills** developed when working with coworkers at Silfab Solar Inc and Waterloop team members on new projects.
- **Trained leadership expertise** through role of team leader in the Duke of Edinburgh Award and occupation of Production Operator.
- **Excellent interpersonal skills** established while being a youth mentorship coach and leading mathematics tutoring sessions for struggling students.

## Projects

**BB-8 Droid construction**                                                   Apr 2016 to 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.

## Relevant Experience

**Waterloop · Electrical Team Member**                                        Sep 2017 to Current
University of Waterloo

- 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 Waterloop pod.
- Furthered Arduino proficiency through constructing a cycle-testing program which would systematically read and save output voltage from a Lipo cell.

## Work Experience

**Silfab Solar Inc.**                                                           Mississauga, ON
Production Operator                                                            May 2018 to Current

- Advanced technical skills by maintaining automated solar panel manufacturing machinery via HMI control; ensuring normal facility operations.
- Furthered engineering literacy by working daily with professional engineer: advanced understanding of engineering processes.

## Awards

University of Waterloo President's Scholarship                                        Jul 2017
Canadian Senior Mathematics 2016 Contest (top 25th percentile)                       Nov 2016
The Duke of Edinburgh's International Award, Silver Standard                          Jun 2015

## Activities

Cycling
Cross-country jogging
Scottish Country Dancing