

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 Waterloo 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.

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.

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

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