ILLYA MYSHAKOV
ELECTRICAL ENGINEERING

Contact

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Skills

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

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 Waterloop team members on new projects and as head Student Librarian of two school libraries.
- **Trained leadership expertise** through role of team leader in the Duke of Edinburgh Award and occupation of Recycling Sorter.
- **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

GFL Environmental Inc.   Waterloo, ON
Recycling Sorter

- 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.

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

Cross-country jogging	Dec 2013 to Current
Scottish Country Dancing	Sep 2010 to Apr 2017
Student Librarian	Oct 2010 to Apr 2015