Illya Myshakov

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SKILLS

PROGRAMMING
Experienced:
C++ • C • HTML • CSS
Familiar:
Java • XML • Javascript • Python • VHDL • LaTeX

TOOLS
Android Studio • AutoCAD • Git • SVN

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 Certfication
University of Waterloo | 2017
IB Diploma
International School of London Qatar | 2017

INTERESTS

Cycling
Cross-country jogging

LINKS

Github:// IllyaMyshakov
LinkedIn:// illyamyshakov

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 quality department; increased reporting 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 engineering processes.

WATERLOOP | Electrical Team
September 2017 – Present | 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 Waterloop 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 teaml ensuring daily quota of +40 bales.
- Refined organizational skills by assigning team members to specified duties in accordance to strict sorting and downtime procedures.