

Illya Myshakov

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LINKS

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SKILLS

PROGRAMMING

C++	C	HTML
CSS	Java	Python
Javascript	VHDL	RAPID
Assembly	Matlab	L ^A T _E X

TOOLS AND TECHNOLOGIES

Android Studio	AutoCAD
Git	Bootstrap
Arduino	OpenCV

LANGUAGES

English French
Ukrainian

EDUCATION

UNIVERSITY OF WATERLOO

BASc in Computer Engineering
2017 - Present | Waterloo, ON

AWARDS

University of Waterloo President's Scholarship

Jul 2017

Global Citizenship and Community Action Award

May 2017

Duke of Edinburgh's International Award, Silver Standard

Jun 2015

COURSEWORK

UNDERGRADUATE

Data Structures and Algorithms
Object Oriented Software Development
Digital Circuits and Processor Design (ARM Cortex)
Analysis of Electronic and Linear Circuits

INTERESTS

Cycling
Cross-country jogging

EXPERIENCE

SILFAB SOLAR INC | Production Operator

May 2018 – Aug 2018 | Mississauga, ON

- Wrote a **C++** program that collected daily production data and generated Excel files for QA department which increased reporting time efficiency by 35-50%.
- Independently learned **RAPID** robot automation procedures and troubleshooting techniques via HMI control for application in assembly line processes, including conveyor belt operation.
- Ensured daily production of 100+ solar panels by maintaining supervision of machinery via a Java-based touch interface and collaborating with other professionals.

WATERLOOP | Electrical Team

September 2017 – August 2018 | Waterloo, ON

- Utilized **AutoCAD** for complete design of sensor parts used on-board the Waterloop pod within 4 days.
- Collaborated with upper-year students to utilize **Arduino** microcontroller boards to create a cycle-testing device which systematically read and saved output voltages from testing Lipo cells.
- Learned soldering and crimping within two weeks through creating sensor circuits that allowed operations of on-board sensors.

GFL ENVIRONMENTAL INC | Recycling Sorter

June 2017 – September 2017 | Waterloo, ON

- Developed organizational skills by augmenting sorting efficiency of 11-person team, ensuring daily quota of +40 bales.
- Refined leadership skills by training 2 new personnel in accordance to strict sorting and safety procedures.

PROJECTS

HEARTBEATS | Android Phone App

September 2018 – Present

- Developed an image-processing algorithm using **Java** for determining an app user's heart rate by detecting periodic pulses in their left hand via camera and flash.
- Utilized **Android Studio** to streamline app debugging and development initiatives.
- Integrated Android's **Camera2 API** for ease of obtaining data continuously from a camera preview for analysis.

ILLYAMYSHAKOV.COM | Portfolio Website

May 2018 – Present

- Utilized **HTML**, **CSS**, and **JavaScript** to construct personal portfolio website showcasing several webpages, such as biography, previous experiences and contact information.
- Designed UX using **Bootstrap** framework and AOS library to generate fade-in effects on scroll for Experience page.