Illya Myshakov

✉ imyshakov@edu.uwaterloo.ca
📞 (226) 606-5105

LINKS

🌐 illyamyshakov.com
🐙 github.com/IllyaMyshakov
in linkedin.com/in/illyamyshakov

SKILLS

LANGUAGES

C	C++	Python
HTML	CSS	Javascript
Java	Bash	RAPID

TOOLS AND TECHNOLOGIES

Linux	Git
Jenkins	OpenCV
Pycharm	Android Studio

SPOKEN 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

Guitar
Cycling
Cross-country jogging

EXPERIENCE

IMAGINE COMMUNICATIONS | QA Developer

January 2019 – April 2019 | Waterloo, ON

- Developed multiple automated tests using **Python** and the **Sharon** framework, which validated audio and video processing to match customer standards.
- Utilized **Bash** and **Microsoft Server VMs** to standardize test automation across varied channel systems and generate required broadcasting environments.
- Optimized **RESTful** API calls in graphics related automation scripts, reducing runtimes of batches on average by 15-20%.

SILFAB SOLAR INC | Production Operator

May 2018 – August 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.
- Ensured daily production of 100+ solar panels by maintaining supervision of machinery and collaborating with engineers.

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.
- Demonstrated proficiency with circuit fabrication through creating sensor circuits that allowed operations of on-board sensors.

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 image processing methods by using **OpenCV** and object-oriented concepts such as interfaces for ease of obtaining data 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** framwork and AOS library to generate fade-in effects on scroll for Experience page.