Illya Myshakov

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SKILLS

- **Languages:** Python, C++, C, Java, C#, Javascript, Bash
- **Frameworks:** Pytest, ASP.NET, React.js, Jenkins
- **Technologies:** AWS, GCP, Docker, MongoDB, SQLite, MySQL, Gradle

EXPERIENCE

AMD | Software Tools Developer

January 2021 – April 2021 | Markham, ON

- Developed runtime features for a **C++** crash dump parser critical for providing failure data to GPU driver developers.
- Added new parser export options using **MongoDB**, setting up for future machine learning initiatives.
- Implemented integrity improvements with **SQLite** file handling to address database corruption.

IMAGINE COMMUNICATIONS | Embedded Software Developer

May 2020 – August 2020 | Toronto, ON

- Deployed network processor applications onto a customized Linux **Docker** container, increasing the range of projects that can be tested by QA.
- Debugged within hybrid **Java** and **C/C++** projects, implementing fixes to multi-threading errors and race conditions.
- Implemented compilation optimizations to **Gradle** build scripts, improving build times across projects by 62%.

TITANIUM AGENCY | Software Developer

September 2019 – December 2019 | North York, ON

- Managed the entire development cycle of a **GCP** ad campaign automation service using **Python** and **Cloud Functions** to optimize budget and time allocation for content managers.
- Utilized automation service with **Cloud SQL** to build logging system for developers to achieve a better understanding of daily operation service interruptions.
- Introduced querying and UI improvements to company's internal **ASP.NET** tools, reducing load times by 83%.

PROJECTS

RUNELITE | Java Plugins

August 2020 – Present

- Implemented various **Java** plugins and improvements for a popular third-party game client to explore open-source development.

PROTOTYPE WHEELCHAIR | Embedded System

May 2019 – July 2019

- Fabricated a motorized prototype wheelchair using a MSP430 microcontroller and **DipTrace** to design a PCB to interface with motors and sensors.
- Collaborated in a team to create a **C** program which enabled PWM speed control and collision detection.

EDUCATION

UNIVERSITY OF WATERLOO | B.A.S.c Computer Engineering

September 2017 – April 2022 | Waterloo, ON