Vladyslav Tkach

C++ Software Engineer

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TECHNICAL STRENGTHS

	Experienced at	Had experience with
Programming Languages	C++, Python	C, C#, Java
Development Tools	CMake, Git	GiHub Actions, GNU Make, gdb
Technologies	Qt framework, GoogleTest	GNU/Linux, Boost, OpenCV
Spoken Languages	Native Ukrainian speaker, advanced English proficiency	

EXPERIENCE

Materialise - Mimics Enlight CMF
Software Engineer (C++, Python)

October 2021 - Present
Kyiv, Ukraine

· Developed, tested, debugged, and documented a planner application for cranio-maxillofacial surgical operations using C++ and Qt framework.
· Strengthened Mimics Enlight cross-product platform and engaged in refactoring of existing code.
· Applied the MatSDK libraries collection for implementation of new APIs to improve both performance and UX.
· Worked within an agile team following Scrum methodology, actively participated in cross-team communication and collaboration.
· Had experience with creating scripted UI tests using Mimics Python API and proprietary testing framework.

Materialise - C++ Academy
Intern (C++)

July 2021 - September 2021
Kyiv, Ukraine

· Worked on a 3D printing project in a team following Scrum methodology.
· Implemented 3D geometry algorithms and used Qt3D for custom rendering and camera controls.
· Learned about and practiced C++17 thoroughly including hands-on STL.
· Investigated OOP concepts as well as design patterns with exercises.
· Studied high-level debugging and error handling, test-driven development(TDD) technique, profiling and disassembly as well as parallel programming.
· Learned Qt framework, practiced both Qt Widgets and QML.

EDUCATION

Taras Shevchenko National University of Kyiv
Faculty of Cybernetics and Computer Science
B.S. in Computer Science

September 2019 - June 2023
Kyiv, Ukraine

Ukrainian Physics and Mathematics Lyceum of Kyiv University
GPA 10.5

September 2016 - May 2019
Kyiv, Ukraine