

Vladyslav Tkach

C++ Software Engineer

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in vladyslav-tkach

TECHNICAL STRENGTHS

	Experienced at	Had experience with
Programming Languages	C++, Python	C, C#, Java
Development Tools	CMake, Git	GitHub 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

October 2021 - Present

Software Engineer (C++, Python)

Kyiv, Ukraine

- Developed, tested, debugged, and documented a planner application for craniomaxillofacial 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 and 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

July 2021 - September 2021

Intern (C++)

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

September 2019 - June 2023

Faculty of Cybernetics and Computer Science

Kyiv, Ukraine

B.S. in Computer Science

Ukrainian Physics and Mathematics Lyceum of Kyiv University

September 2016 - May 2019

GPA 10.5

Kyiv, Ukraine