

# Mikhail Zagoruiko

Software Engineer

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## SUMMARY

An enthusiastic student dedicated to expanding knowledge in information technology, with a strong aptitude for research, active class participation, and consistently high-quality assignments. Proven ability to gain hands-on experience through internships, programming meetups, and personal projects.

## TECHNICAL SKILLS

### Graphics

OpenGL 4.6, Vulkan, WebGPU, 2D, 3D, Shaders, Nsight

### Languages

Rust, C++, C#, Python, JavaScript, TypeScript, HTML, CSS, SQL, WGSL, GLSL

### Network

Client-server, P2P, TCP, HTTP, RPC

### C++ Ecosystem

C++17/20/23, STL, Boost.Asio, FFmpeg, ImGui, GLEW, GLFW, GLM

### Rust Ecosystem

Tokio, Rayon, Axum, WGPU, Winit, Taffy, Nalgebra, Egui, Iced, Macroquad

### Multithreading

Concurrency, real-time rendering, physics, data pipelines

## SOFT SKILLS

Creativity Flexibility Problem Solving Communication Critical Thinking Ethical Awareness Team Work

## EDUCATION

### BACHELOR OF INFORMATION TECHNOLOGY

Torrens University  
2024 – Current

### BACHELOR OF SOFTWARE ENGINEERING

Dubna State University  
2022 - 2024

## CERTIFICATION

### 2024 C++ Development: Advanced Concepts, Lambda Expressions, and Best Practices

LinkedIn Learning

### 2024 Rust Essential Training

LinkedIn Learning

## WORK EXPERIENCE

### Software Engineer Intern

NORDAVIND 06/2024 – 08/2024

- Developed media player from scratch using OpenGL and FFmpeg
- Revised proprietary libraries using best practices of C++17
- Improved visuals of the multimedia player using low-level features of the OpenGL

Technologies: C++17, FFMPEG, OpenGL, IMGUI

### SAP Consultant Trainee, Internship

TERRALINK 06/2023 – 08/2023

- Assisted senior SAP engineers.
- Designed and implemented SAP HANA modules.
- Improved and refined user documentation for developed modules.
- Attended and participated in daily morning meetings.

Technologies: ABAP, SQL

## REFERENCES

Available upon request