

MAKSIMS PAVLOVSKIS

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[Portfolio](#)

SUMMARY

I am a recent graduate with a dual degree in Computer Science and AI Development from the Transport and Telecommunication Institute and the University of the West of England. My academic background is complemented by hands-on experience in software development, systems programming, and AI-focused projects.

My expertise includes programming in Java, C/C++, C#, Python, and JavaScript, along with frameworks like Spring Boot, .NET, and OpenGL. I have worked on a high variety of practical systems such as a 3D object visualization tool, a CV-generator backend, and even a customizable Vigenère cipher app. Additionally, I am proficient in database management and data analysis tools, as well as cloud systems.

I am fluent in English and Russian, with intermediate proficiency in Latvian.

WORK EXPERIENCE

■ Backend for a CV-Making Web App (Group Project) Java - Spring

[Repository Branch](#)

- Led backend development for a CV generator, enabling secure storage/retrieval of user data and login credentials.

■ 3D Object Visualization Application (Solo Project) C++ - OpenGL, GLM, Assimp, ImGui

[Source code](#)

- Engineered a 3D graphics tool supporting .obj file rendering, dynamic object manipulation, and multi-light source management.
- Built a 6DOF camera system (WASD + mouse controls) using GLFW and GLM.
- Integrated Assimp for 3D model parsing and ImGui for real-time parameter adjustments (light color, brightness).

■ QA for AI Image Detection Model (Group Project) Python - NumPy, scikit-learn, Matplotlib

Source available on request

- Validated a CNN model's performance in classifying real vs. AI-generated images, achieving 80% accuracy via cross-validation.
- Automated test workflows with sklearn.metrics.

EDUCATION

2021 - 2025

UNIVERSITY OF THE WEST OF ENGLAND

- Bachelor of Computer Science
in Artificial Intelligence

2021 - 2025

TRANSPORT AND TELECOMMUNICATION INSTITUTE

- Bachelor of Computer Science
in Artificial Intelligence

SKILLS

Advanced

Programming Languages:

- C++, C#, Java

Frameworks/Tools:

- OpenGL

Intermediate

Programming Languages:

- Python, JavaScript

Frameworks/Tools:

- Spring Boot, TensorFlow, AWS

Database:

- MySQL, Microsoft SQL Server

Other:

- RESTful APIs, Agile Methodology, Data Structures & Algorithms

CERTIFICATIONS

- [IBM: Exploratory Data Analysis for Machine Learning](#) | 2024
- [CISCO Networking Academy: Introduction to Networks](#) | 2023

LANGUAGES

- English
- Russian
- Latvian