

Roman Szlachtun

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An ambitious and well-rounded student with a passion of writing robust and maintainable code. Interested in IT systems engineering and real-world applications of Artificial Intelligence.

Education



Master's degree in Trusted Artificial Intelligence

POLITECHNIKA WROCŁAWSKA

2026 – 2027

Wrocław

Started degree, which combines Software Engineering with practical Artificial Intelligence



Bachelor's degree in Algorithmic Computer Science

POLITECHNIKA WROCŁAWSKA

2022 – 2026

Wrocław

Diploma grade: 5.0; gained modern programming skills and strong mathematical background



High school diploma in Mathematics & Informatics

AKADEMICKIE ŁO POLITECHNIKI WROCŁAWSKIEJ

2020 – 2022

Wrocław

Experience



C++ Developer

NOKIA

Jul 2024 – Today

Wrocław

- Working on Base Transceiver Station software that allows mobile devices to operate in 5G cellular networks
- Delivering features and improvements in production codebase and tests
- Assisting with logs analysis for project codebase support
- Have experience of Large Language Model adoption for software development speedup

Skills

Spoken languages

English - Advanced | Polish - Bilingual

Programming languages

C++ | Python | Java | Rust | Go | C | Ada

Technologies

Boost C++ | OpenCV | YOLO CNN | Spring Framework | Linux | Docker | GitHub Actions | REST API

Social skills

Critical Thinking | Team Player | Good Communication | Problem Resolution | Motivation

Projects

Pedestrian Detector

2025

<https://github.com/wilcorg/pedestrian-detector>

- My Bachelor's degree thesis about implementation and comparison of different Computer Vision techniques on Raspberry Pi 5
- Background Subtraction algorithm, Support Vector Machine and Convolutional Neural Network were used to detect humans in surveillance camera footage
- Optimized algorithms above to be fast enough on edge devices
- The key takeaway is that Background Subtraction algorithm outperforms Convolution Neural Network under favorable conditions

Algorithms

2024 – Today

<https://github.com/wilcorg/algorithms>

- My submissions for Leetcode tasks
- For now there is 50 completed tasks, most of them are middle-level
- Languages used: C++, Java and Python

Spring Auth

2023

<https://github.com/wilcorg/spring-auth>

- Industry-standard login/registration backend in Java with basic user interaction
- Written in modern Spring Framework, with REST API, database ORM with domain mappers
- Code covered with unit and integration tests and CI

Certificates

2022 **Certificate of completion Python Core track, JetBrains**