



## Łukasz Graczyk

M.Sc. Eng. in Computer Science

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in [Linkedin](#)

🐙 [Github](#)

🌐 [Portfolio](#)

### Skills

#### Languages

English (B2)

#### Cloud & DevOps

Azure

Docker

Pandas

#### Game Development

C# / Unity

Unreal Engine

Blender

#### AI / ML / Computer Vision

TensorFlow

PyTorch

OpenCV

Python / AI

Reinforcement Learning

#### Web Technologies

ReactJS

Vue.js

NextJS

#### Databases

SQL

Firebase

MongoDB

Cassandra

Grafana

PostgreSQL

### TOOLS

✓ VS Code, Visual Studio, Rider, IntelliJ

✓ Git, GitLab

✓ Anaconda, Jupyter

✓ Hugging Face

✓ Matlab

### HOBBY

Exploration of AI models, Sports, Computer Hardware.

## About Me

I am an ambitious programmer with a Master of Science in Engineering degree. I am passionate about AI, machine learning algorithms, and application and game development. I specialize in C# (Unity) and Python (AI/ML). I am looking for a team where I can develop my passion for modern technologies.



### Experience

#### Research: AI in Autonomous Vehicles

University of Siedlce (Master's Thesis)

- Implementation of RL algorithms (PPO, SAC) in driving simulations.
- Utilization of neural networks (ResNet50, PilotNet) for image analysis.
- Integration of YOLO for obstacle detection.
- Performance optimization in Unity and GTA V environments.

#### Projekt "VR Therapy"

University of Siedlce | 1280H Internship

- Creating a social anxiety therapy support system using Unity / C# / Meta Quest / .NET / SQL.
- Configuration and optimization for Oculus Quest 1 & 2.
- Presentation of the application at scientific conferences.
- Integration of animation, sound, and interaction in VR.



### Education

2023 - 2024

Master of Computer Science

University of Siedlce

Spec: Computational Intelligence

2019 - 2023

Engineer of Computer Science

UPH in Siedlce

Spec: Mobile Systems



### Certificates & Achievements



Java programming - Mooc.fi



Data analysis with python 2021 - mooc.fi



Speaker - "Contemporary Applications of Informatics 2022"



Participation in "Inclusion without barriers" inaugurating the "Pilot Implementation of the Model of Specialized Support Centers"



Nomination for "Best Student of UPH in the academic year 2022/2023"



HarvardX CS50W's Web Programming with Python & JavaScript



NVIDIA - Generative AI with Diffusion Models



Elements of AI - Building AI - 2026