



Vladimir Zaigrajew

Born on March 5th, 1998

Torun – Poland

Currently living in Wroclaw

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Language Skills

- Polish – native
- Russian – near native
- English – C1 level

Professional Skills

- Languages – Python (Mainly), C++, Java, SQL
- CI/CD – Github Actions
- Frameworks – Django, Redis, Postgres, MySQL, GIT, Docker
- AI and ML frameworks – Pytorch, JAX/Flax, OpenCV, scikit-learn, Pandas, Numpy, Matplotlib, Seaborn, Plotly, Dash, Grafana, , W&B
- Big Data frameworks – Hadoop, PySpark, Kubernetes (Lens), HPC (SLURM)

Research Interests

- AI and Deep learning methods
- Computer vision
- Generative models

Communication Skills

- Time-management
- Decision-making
- Teamwork and multitasking
- Team leadership and management.

About me

My fortés include the ability and passion to learn and challenge myself to improve throughout my skill set. I started my computer science career in both academia and job as a backend developer consequently progressing to Machine Learning, which has become my work and research focus. I devote significant personal time to furthering my research and widening my purview. I am a communicative, sporty, tolerant and cooperative person.

Education

2021 – 2022. Master of Science in Artificial Intelligence, Wroclaw University of Science and Technology (WUST), Poland

Thesis Title: Contrastive learning for multi-label classification
(accepted for NeurIPS 2022 Workshop).

As a participant of AI Tech (government AI, ML and cybersecurity education project) I took part in WACV 2022 and ICLR 2022 international conferences.

2017 – 2021. Bachelor of Science, Wroclaw University of Science and Technology (WUST), Poland

Major: Computer Science

Minor: Applied Computer Engineering in Medicine

Thesis Title: Human activity recognition on the basis of changes of WiFi characteristics.

Work Experience

2019 – 2022. Computer Vision Researcher and Engineer

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- Researching optimal solutions for object detection and object tracking applying DeepStream SDK on an embedded device (NVIDIA Jetson Nano);
- Complying and managing the corporate dataset for object detection and leading the annotating group;
- Training object detection architecture and optimizing it for NVIDIA TensorRT;
- Preparing scripts in Deepstream SDK for production use with object tracking model;
- Hypertuning and optimizing object tracking and object detection models;
- Preparing framework in Python for object tracking using Microsoft Azure;
- Creating the structures for MySQL on Azure and preprocessing scripts;
- Implementing visualizations in Dash and metrics tracking in Grafana.

Extracurricular activites

Dec 2022. Part of MLCommons community.

Oct 2022. Reviewed several papers for NeurIPS 2022 Workshop.

June 2022. Completed 8th PKO Night Wroclaw Half Marathon.

Apr 2022. Attended Winter Conference on Applications of Computer Vision (WACV) 2022.

Jan 2022. Attended International Conference on Learning Representations (ICLR) 2022.