Rustam Uzdenov

Junior Computer Vision Researcher @ ISP RAS

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in SUPERustam

Experience

ISPRAS (Russian Academy of Sciences)   Sep 2024 – Present
Junior Computer Vision Researcher   Moscow, Russia

- R&D in Computer Vision, **Video Copy Detection**
- Published and presented Shazam Algorithm for Partial Video Copy Detection at IVMEM2025

Fast Food Memes (tg@ffmemesbot)   Jan 2024 – Aug 2024
Machine Learning Engineer   Remote

- **Infinite Personalized Meme feed** in Telegram Messenger in **open-source**: https://github.com/ffmemes/ff-backend
- Processed **500k+ memes** with OCR in **10** languages, **500/1600/2500 (DAU/WAU/MAU)**, **30k+ daily meme** flow
- Co-authored 2nd most popular open-source model (OCR) on mystic.ai (uriel/easyocr-r)
- Built deduplication and spam-detection system, flagged 14k+ spam entries

Bauman Racing Team ("Formula Student" Team)   Nov 2022 – Oct 2023
MLOps Engineer   Moscow, Russia

- Created CLI tool to manage docker containers/volumes for driverless car system
- Developed unit testing system for C++ code from scratch
- Built CI/CD pipelines from scratch in JetBrains Space & locally

Education

Bauman Moscow State Technical University   Sep 2022 – Aug 2026
Bachelor's in Mathematics and Computer Science   Moscow, Russia

- *GPA: 4.32/5 — Grade: 4*
- *Academic Projects:* Developed **official final exam generator** for Department of Theoretical Mechanics (FS3, still in use)
- *Leadership:* **Team leader** one of the largest team in **BMSTU Math Olympiad Club** , PEBW (Proficient English in Business World program)

Projects

Optimizing GraphRAG Building for Enhanced RAG Pipelines   July 2025
*Team project at **StudCamp on NLP Yandex × NSU***

- **Tech Stack:** PyTorch, Transformers, vLLM, PEFT, LoRA, Qwen, GraphRAG
- Optimized GraphRAG construction pipeline using **LoRA fine-tuning on Qwen3-4B** for enhanced **NER and relation extraction** in Russian language tasks, achieving measurable performance improvements
- Implemented solution into open-source **RAGU framework** with documentation

Skills

Programming Languages: Python, SQL, C++, Bash

Technical Stack: PyTorch, Transformers, PEFT, vLLM, OpenCV, NumPy, Pandas, Matplotlib, Scikit-learn

Collaborative Skills: Git & GitHub, Docker, Airflow/Prefect, Leadership, Research Collaboration, Code Review

Languages: English (Professional Working), Russian (Native)

Certifications

StudCamp on NLP – **<u>Yandex x NSU</u>**   July 2025

Supervised Machine Learning: Regression and Classification — **Stanford/DeepLearning.ai**

Honors & Awards

RUDN Math Olymp – 3rd degree diploma (individual & team competition) (2 times)   *December 2024, 2023*

Formula Student Russia (Class EV & DV)   *August 2023*

BMSTU Math Olympiad – 2nd place among 2nd-year students   *November 2023*