RAMAZAN FAZYLOV

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Education

Mohamed bin Zayed University of Artificial Intelligence Abu Dhabi
PhD in Computer Vision *Aug. 2025 – Present*

- Research area: computer vision, 3d, computer graphics, human avatars
- Under supervision of Prof. Ivan Laptev
- Current GPA: 4.0/4.0

Skolkovo Institute of Science and Technology Moscow
Master of Data Science *Aug. 2023 – May 2025*

- Relevant Coursework: Numerical Linear Algebra, Optimization in Machine Learning, Bayesian Methods in Machine Learning, Geometric Methods in ML, High Performance Computing in CUDA, Stochastic Processes
- Thesis title: Adversarial Generation of Animatable 3D Gaussian Human Heads
- GPA: 4.97/5.0

Lomonosov Moscow State University Moscow
Bachelor of Science in Applied Mathematics and Computer Science *Aug. 2019 – May 2023*

- Relevant Coursework: Linear Algebra, Calculus, Discrete Mathematics, Computer Vision, Algorithms and Data Structures, Computer Architecture and Assembly, Machine Learning, Deep Learning
- GPA: 4.73/5.0

Publications

AGORA: Adversarial Generation Of Real-time Animatable 3DGS Head Avatars
R. Fazylov, S. Zagoruyko, A. Parkin, S. Lefkimmiatis, I. Laptev *Dec. 2025*

- Extended static gaussian 3DGAN for animatable human heads generation
- Achieved state-of-the-art expression accuracy and real-time performance (250+ FPS on GPU)

Bacterial Colony Detection Method for Microbiological Photographic Images
O. Gorokhov, R. Fazylov, M. Kazachuk, I. Lazukhin, I. Mashechkin, L. Pankratyeva, I. Popov *Jul. 2022*

- Paper proposed a segmentation algorithm for detecting bacterial colonies on Petri dish images using a convolutional neural network trained in a self-supervised manner
- Paper proposed algorithms to detect artifacts such as flare, magnetic balls, barcodes, and condensate

Experience

Computer Vision Researcher Jul. 2022 – Jul. 2025
VisionLabs

- Researched and developed solutions for deepfake detection
- Automated state-of-the-art deepfake generation pipelines, curating extensive manipulated video datasets
- Deployed trained models into production environments; subsequently secured solution purchases by major CIS banking clients

R&D Engineer Jul. 2021 – May 2022
MSU Department of Intelligent Information Technologies

- Developed an automated system for measuring bacterial growth inhibition zones in microbiological images
- Contributed to the development of a desktop application for automatic antibiotic resistance detection

Skills

Natural Languages:

- Native speaker: Russian, Tatar
- English proficiency: IELTS 8.0/9.0

Programming Languages: Python, C, CUDA, C++, Assembly
Developer Tools: Git, Docker, ONNX, OpenVINO