Artem Sevastopolsky

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Computer Vision & AI researcher with 8+ years of experience working on diverse research & engineering projects. At the moment, a senior Ph.D. student at TUM (prof. Matthias Nießner) with a focus on 3D generative models and digital humans. Prior experience: Meta (Reality Labs; Codec Avatars lab, Pittsburgh, USA), Samsung (AI Center Moscow), Skoltech, medical imaging companies. 9 published papers, incl. at top-tier conferences (CVPR, ICCV, ECCV, WACV, 3DV). Citations: > 1300; h-index: 10.

Professional Experience

Technical University of Munich (niessnerlab.org)

Research Scientist, PhD student — 05/2021 - Present

- Worked on: 3D human head and hair modeling and reconstruction; face recognition with generative models.
- Published 2 papers as a first author (ICCV & 3DV), published 1 paper as a last author (WACV).
- 3 papers in submission (SIGGRAPH & ICCV).
- Supervised 3 Master's students, tutor at 3D Scanning & Motion Capture Masters-level course for 6 semesters.

Meta (Reality Labs, Codec Avatars, Pittsburgh PA, USA)

Research Scientist Intern — 06/2024 - 10/2024

- Worked on: Gaussian Reconstruction Models for one-shot Novel View Synthesis of human heads.
- Advanced existing models for the novel monocular streaming use case with SoTA results achieved.

Samsung AI Center Moscow

latest: Middle-level Deep Learning Engineer — 01/2019 - 05/2021

- Worked on: 3D neural rendering, differentiable rendering; relightable human head portraits; human body texturing.
- Published 1 paper as a joint first author (3DV), 2 papers as a second author (CVPR & ECCV).
- Two US patents defended (#11961205), (#12229880).
- Supervised one research intern.

Youth Laboratories (today: Haut.AI)

Deep Learning Engineer — 01/2017 - 05/2018

- Led an automated eye diseases diagnosis project.
- Main researcher of a skin wrinkles analysis project, launched with Nivea (Beiersdorf AG, Hamburg). Developed a segmentation network for skin wrinkles with partial supervision.
- Organized and supervised a hackathon Skinhack 2.0.

Artec 3D (artec3d.com)

Deep Learning Intern — 07/2016 - 09/2016

- Worked on: facial landmark detection from [RGB-]D images.

Education

Technical University of Munich — Munich, Germany

Ph.D. in Computer Science — 2021 - Present

Topic: *Human Face and Body Representation based on Deep Learning*, prof. Matthias Nießner

Skolkovo Insitute of Science and Technology — Moscow, Russia

M.Sc. in Computer Science — 2019 - 2021

Topic: *Learning image deformations via deep learning* (thesis), prof. Victor Lempitsky, GPA 5.00 / 5.00 (max)

Lomonosov Moscow State University — Moscow, Russia

B.Sc. in Applied Mathematics & Informatics — 2013 - 2017

Topic: *Glaucoma detection methods based on deep neural networks*, prof. Alexander D'yakonov, GPA 4.87 / 5.00

Selected Publications & Preprints

Avat3r: Large Animatable GRM for High-fidelity 3D Head Avatars (page) 2025
Kirschstein T., Romero J., Sevastopolsky A., Nießner M., Saito S. in submission

GaussianSpeech: Audio-Driven Gaussian Avatars (page) 2024
Aneja S., Sevastopolsky A., Thies J., Dai A., Nießner M. in submission

HeadCraft: Modeling High-Detail Shape Variations for Animated 3DMMs (page) 2025
Sevastopolsky A., Grassal P., Giebenhain S., Athar S.R., Verdoliva L., Nießner M. 3DV

TriPlaneNet: An Encoder for EG3D Inversion (page) 2024
Bhattarai A.R., Nießner M., Sevastopolsky A. WACV

How to Boost Face Recognition with StyleGAN? (page) 2023
Sevastopolsky A., Malkov Y., Durasov N., Verdoliva L., Nießner M. ICCV

Relightable 3D Head Portraits from a Smartphone Video (page) 2020
Sevastopolsky A., Ignatiev S., Ferrer G., Burnaev E., Lempitsky V.

TRANSPR: Transparency Ray-Accumulating Neural 3D Scene Point Renderer (page) 2020
Kolos M.*, Sevastopolsky A.*, Lempitsky V. 3DV

Neural Point-Based Graphics (page) 2020
Aliev K.-A., Sevastopolsky A., Kolos M., Ulyanov D., Lempitsky V. ECCV

Coordinate-based Texture Inpainting for Pose-Guided Human Image Generation (page) 2019
Grigorev A., Sevastopolsky A., Vakhitov A., Lempitsky V. CVPR

Teaching

3D Scanning & Motion Capture Technical University of Munich
6 semesters. Per semester: $\sim$ 100 students, 6 final projects, exam. 2022 - Present

Deep Learning Skoltech
2 semesters. Per semester: $\sim$ 200 students, 5 final projects, exam. 2020 - 2021

Theses & Guided Research Supervision

Rachmadio Lazuardi, B.Sc. Technical University of Munich; Beyond Presence
Dmitrii Pozdeev, B.Sc. Technical University of Munich
Ananta R. Bhattarai, M.Sc. Technical University of Munich; currently: Bielefeld University
Maria Kolos, M.Sc. Skoltech; currently: Samsung

Languages

English Full working proficiency
German Limited working proficiency
Russian Native

* denotes equal contribution