

EDUCATION

MSc in Computer Science

Grade: 1.2 / 1.0

University of Bonn, Germany

Oct 2022 – Apr 2025

BSc in Physics

Moscow State University, Russia

Sep 2018 – Aug 2022

RESEARCH EXPERIENCE

Master Thesis / CVPR 2025

MPI for Informatics

Denoising Functional Maps: Diffusion Models for Shape Correspondence

Apr 2024 – Apr 2025

Publications: [\[1\]](#)

- Trained a Denoising Diffusion Model (DDPM) to find correspondence between 100 scans of humans from the FAUST dataset and 32 animal scans
- Evaluated competitors based on Vision-Language Models, improved the correspondence accuracy by 6%

Research Assistant

Moscow State University

Detection of Dark Matter in Neutron Stars

Nov 2019 – Nov 2021

Publications: [\[2\]](#), [\[3\]](#)

- Numerically modelled the formation of dark matter in the atmosphere of neutron stars and explored how satellite observations can help estimate its properties.

PROJECTS

NeRF-based Hand Reconstruction

[Project Page](#)

- An implicit 3D reconstruction of a human hand from monocular and multi-view sequences, based on Interhand2.6m dataset.

Knowledge Distillation for Depth Estimation

[Project Page](#), [Paper](#), [Code](#)

- A lightweight monocular depth estimation model for UAVs, based on knowledge distillation from the foundational model “Depth Anything”.

Text Style Transfer using Transformer Models

[Project Page](#), [Paper](#), [Poster](#)

- An assessment of the ability of 3 NLP models to transfer text style with an emphasis on translation from informal to formal style.

PUBLICATIONS

1. **Denoising Functional Maps: Diffusion Models for Shape Correspondence**
[A. Zhuravlev](#), Z. Löhner, V. Golyanik; *CVPR* 2025
[Project Page](#), [Paper](#), [Code](#)
2. **Toward Constraining Axions with Polarimetric Observations of the Isolated Neutron Star RX J1856.5–3754**
[A. Zhuravlev](#), R. Taverna, R. Turolla; *The Astrophysical Journal* 2022
[Paper](#)
3. **Photon-Axion Mixing in Thermal Emission of Isolated Neutron Stars**
[A. Zhuravlev](#), S. Popov, M. Pshirkov; *Physics Letters B* 2021
[Paper](#)