

# Foma Shipilov

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Moscow, Russia



## EXPERIENCE

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- **Huawei**

Assistant Engineer – Noah’s Ark lab

– Remastered TV-series under “Low-quality movies enhancement using Generative Adversarial Networks” project;

– Developed non-linear convolutional degradation model for super-resolution of real-world images.

*November 2020 – September 2021*

- **Higher School of Economics**

Intern-researcher – Laboratory of Methods for Big Data Analysis (LAMBDA)

– Publishing papers on deep learning applications for online filtering and reconstruction of FARICH detector.

*November 2021 onwards*

## EDUCATION

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- **B.S. Computer Science**

Higher School of Economics

*Currently undergoing*

- **Physics & Tech class**

Moscow Institute of Physics and Technology, Kurchatov Institute

*2019*

- **Zaochnaya Fiziko-Tekhnicheskaya Shkola**

Moscow Institute of Physics and Technology

*2019*

## PROJECTS

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- **HiFi-GAN** [github.com]

Implementation of HiFi-GAN NeurIPS 2020 paper

*PyTorch*

- **secHNet** [github.com]

PyTorch in Haskell from scratch

*Haskell, C*

- **Visual Turing** [github.com]

Turing machine IDE in C++

## SKILLS

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- **Technologies**

C, C++, C#, Python, Pytorch, JAX, Haskell, x86/ARM Assembly, GDB, GNU/Linux, Java/Android, HTML5/CSS, JavaScript

- **Patterns & Practices**

Deep Learning, Computer Vision, Functional Programming, Physical Simulations

## AWARDS & RECOGNITION

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- **“Vysshaya Liga” Math & Informatics**

Higher School of Economics

Degree I & III Diploma

*2021, 2022*

- **“Ya Professional” Math Olympiad**

Yandex

Prize-winner

*2021, 2022*

- **“Pokori Vorob’yovi Gori” Math Olympiad**

Moscow State University

Winner

*2019*

- **“Phystech” Math & Physics Olympiads**

Moscow Institute of Physics and Technology

Winner

*2019*

## OTHER HIGHLIGHTS

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- Conducted biology studies within *Structural and Functional Research of G-protein-coupled Cell Surface Receptors Using 3D Modeling* school project.

## HOBBIES & INTERESTS

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Animation



Making  
music



Physics



Bayesian  
Statistics