

Foma Shipilov

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Moscow, Russia



EXPERIENCE

- **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**
Teaching assistant – Faculty of Computer Science
September 2020 – March 2021

EDUCATION

- **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

- **Matrix Elementary** [github.com]
Smart and easy to use matrix calculator with LaTeX/Wolfram import and LaTeX step-by-step export
C#
- **Visual Turing** [github.com]
Advanced Turing machine BASH-like IDE
C++
- **RealSR** [github.com]
Implementation of RealSR CVPRW 2020 paper
Pytorch

SKILLS

- **Technologies**
C, C#, C++, Python, Pytorch, x86/ARM Assembly, Haskell, GDB, GNU/Linux, Java/Android, HTML5/CSS, JavaScript
- **Patterns & Practices**
Deep Learning, Computer Vision, Object Oriented Programming, Low-level API's, Physical Simulations, Computer Biochemistry (RCSB PDB)

AWARDS & RECOGNITION

- **"Vysshaya Liga" Math & Informatics**
Higher School of Economics
Degree I Diploma
2021
- **"Ya Professional" Math Olympiad**
Yandex
Prize-winner
2021
- **"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

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

HOBBIES & INTERESTS



Animation



Composing



Physics



Probability
Theory