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**

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

  – Developing surrogate generative models for fast simulation of FARICH detector.

  November 2021 onwards

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

- **RealSR** [github.com]

  Implementation of RealSR CVPRW 2020 paper

  Pytorch

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

  Advanced Turing machine BASH-like IDE

  C++

- **babelia.meaning** [github.com]

  Python, OpenCV

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, Physical Simulations

AWARDS & RECOGNITION

- **"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

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

HOBBIES & INTERESTS

| Animation | Composing | Physics | Probability Theory |