



Alexey Shmelev

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Education

2019–2023 **Bachelor of Applied Mathematics (Major). Bioinformatics (Minor)**, *Higher School of Economics*, Moscow, GPA – 7.97.
(estimated)

Experience

2021–2022 **Internship**, *International Laboratory of Statistical and Computational Genomics*, Higher School of Economics, Moscow.

I was developing method for detecting adaptive introgression of two ancestry populations using various deep learning models. Also, I was given grant from the Center of Artificial Intelligent of Higher School of Economics to continue my research.

2021–present **Physics Teaching Assistant**, *School of Electronic Engineering*, Higher School of Economics, Moscow.
I was grading students' tests and providing colloquiums.

Computer skills

Languages Python, R, C++, SQL, PHP, JS, HTML, CSS, Bash
ML (libs) NNI, Tensorflow, Tensorflow Addons, Pytorch, XGBoost
HPC Slurm
CI/CD Docker, VMware Workstation Pro
Web Apache, MySQL, PhpMyAdmin
UI/UX Qt, PyQt
Design Blender, Adobe Premiere Pro, Adobe After Effects, Davinci Resolve
OS Windows, Ubuntu, CentOS

Languages

English **Intermediate**
Russian **Native**

Read articles and express thoughts

Interests

- Piano
- Tennis
- Motion Design
- Video editing
- Taking pictures