

Education

2017–2021 **Moscow Institute of Physics and Technology (MIPT); B.S. in Computer Science.**

Internships and Work experience

Oct–Present, **Junior Software Engineer, Huawei; <https://www.huawei.com>.**

- 2019 ○ Developed and improved of system flows dispatching, developed CPU-GPU high performance computing module, parallelized systems and modules from signal processing framework
- Rewrote the framework for specialized signal processing tasks from Matlab to Python
- Parallelize computations on the GPU using CUDA
- Working on the tasks of optimization for signal-processing in the team with Gasnikov and Nesterov
- Using C++, Python, Matlab, Windows API, SIMD Programming, PyTorch.

Jun–Oct, **Software Engineer Intern, Huawei; <https://www.huawei.com>.**

- 2019 ○ Developed a module for tensorflow using C++ for linearizing specific complex radio engineering signals
- Result: Written in C++ for tensorflow, the module works 20% faster and 11% more optimally in memory compared to the classic tensorflow tools. This helped to solve specialized tasks for radio signals more optimally.
- Used Python, C++, Tensorflow, Matlab.

Sep–Jan, **Junior Analyst, Competentum - EPAM family; <https://competentum.com>.**

- 2018–2019 ○ Performed data analysis, analytical researching, requirements validation, requirements analysis, prototyping of interfaces, platform testing, functional testing of the Pearson Education platform, wrote reports
- Result: Optimization of team work, better verification of requirements, the platform for online learning has been successfully implemented for the public
- Used HTML, CSS, JavaScript

Jul–Aug, **Intern, Competentum - EPAM family; <https://competentum.com>.**

- 2018 ○ Worked on the Research and Development team
- Implemented a special application which allows to teachers to generate a certain number of tasks from one sample task given for their students (concerning the E-Learning sphere)
- Result: The system was implemented and successfully integrated into the tutoring workflow
- Used Python, HTML, CSS, JavaScript

Oct–May, **Mathematics Teacher, Olympiad Winners Association.**

- 2017–2018 ○ Trained high-school students for country-wide mathematics olympiads and contests
- Result: 4 of my students became winners of the mathematical olympiads

Projects

Jul–Aug, **The initial version of an universal platform for Tinkoff Bank as part of the summer fintech school.**

- 2018 ○ Problem: The bank needed to retain customers and attract new developers
- Solution: Providing an universal way to deploy third party applications to independent developers
- Result: The project was successfully passed to the stage of integration development
- Used HTML, CSS, JavaScript

Leadership

2018 Volunteer and supervisor at the Russian coding contest MOSCODE

Skills

C/C++, Python, Java, JavaScript, Tensorflow, SQL, HTML/CSS, LATEX, Git, SIMD instructions, Mathematics, Data Analysis, Algorithms and Data Structures

Publications, Achievements and Awards

2016 Ramsey Graph Theory overview. International high-school students conference proceedings; abitu.net

2016, 2017 Winner of The Russian Mathematics Olympiad