

## EDUCATION

### MOSCOW INSTITUTE OF PHYSICS & TECHNOLOGY

#### BS IN APPLIED MATHEMATICS & COMPUTER SCIENCE

Grad. July 2017 | Moscow, Russia  
GPA: 3.4/4.0

#### BACHELOR THESIS

Subject: N-gram models applied to  
OCR error correction in Japanese

#### COURSEWORK

Algorithms & Data Structures •  
Computational Linguistics • Theory of  
Computation • Discrete Analysis •  
Linear Algebra • Machine Learning •  
Formal Languages & Compilers •  
Project Management

## SKILLS

### PROGRAMMING LANGUAGES & TECHNOLOGIES

Recent experience:

APIs (REST, GraphQL) • C/C++ • CI/CD •  
DevOps • Git • **Hack(PHP)** • Java •  $\text{\LaTeX}$  •  
**Mercurial** • **Python** • Pytest • React •  
Raspberry Pi • SQL • **Unix**

Needs brushing up:

Django • Doxygen • ELK • Flask • Hadoop •  
Keras • NLTK • MongoDB • Powershell •  
Pytorch • Redis • Ruby • Rust • Scrappy •  
Swagger • Tensorflow • x86Asm

### HUMAN LANGUAGES

Russian (native) • English (fluent) •  
French (intermediate, DELF B1 diploma,  
participant of All-Russian Olympiad Finals)  
• Deutsch, Spanish (beginner)

## INTERESTS

### VOLUNTEERING

Volunteered in multiple projects as  
software engineer and helpline operator.

### TEACHING

Teaching experience since 2012.  
Several courses in Maths and CS.  
Dozens of school contests in Math  
and Physics: checking solutions,  
organizational activities.

## EXPERIENCE

### META | SOFTWARE ENGINEER

Since February 2020 | Hack(PHP), React | London, UK

- Led the reliability workstream (6 people) on [Data Transfer Project \(DTP\)](#);
- Achieved a 7x drop in DTP failure rate and overhauled the monitoring pipeline;
- Implemented several features in [Spark AR Hub](#) Insights UI and data pipeline;
- Mentored new people on the teams, conducted 70+ interviews.

### SOFTWARE ENGINEER INTERN

July 2019 – October 2019 | Python2/3, C++14, MySQL | London, UK

- Designed and implemented a snapshot extension for Mercurial ([Github repo](#)).

### YANDEX.TAXI | SOFTWARE ENGINEER

June 2018 – July 2019 | C++14, Python2, MongoDB | Moscow, Russia

- Implemented the whole backend of the award-winning [New Year's promotion](#);
- Refactored a major part of the core backend, gaining 2x performance boost;
- Supervised new members of the team.

### MIPT | TEACHING ASSISTANT | PYTHON ([LECTURES](#)), COMPILER THEORY

September 2017 – June 2019 | Moscow, Russia

### ABBY

#### JUNIOR SOFTWARE ENGINEER

February 2017 – June 2018 | C++03, MS SQL Server | Moscow, Russia

- Improved performance of linguistic domain model compiler by 5x;
- Implemented several major features in the internal linguistic software.

## SELECTED PROJECTS

### COMMON | BACKEND ENGINEER

Since April 2022 | Python, DevOps, Github Actions | [cmoncmon.co](#)

- Developed a Telegram bot for refugee students and volunteer teachers.

### SYSBLOK | DEVOPS ENGINEER

Since April 2020 | Python, Pytest, Github Actions | [sysblok.ru](#) (in Russian)

- Implemented several features for an internal Telegram bot used by editorial board of a non-profit popular science media.
- Established a CI process with deploy, test and logging infrastructure.

### COME2GATHER | FULLSTACK ENGINEER

October 2018, HackUPC | Python, Flask, Leaflet | [repo](#)

- Collected flights data with Skyscanner API and visualized it with Leaflet.

### BLOCKED.HERE | BACKEND ENGINEER

April 2018, Hack.Moscow – June 2018 | Python, Flask, HERE Maps API | [repo](#)

- Implemented automatic data updates and IP resolving.

## AWARDS

- 2019 JunctionXBudapest, Nokia track
- 2018 Hack.Moscow 2.0, overall top-10
- 2018 Hack.Moscow, special prize from Roskomsvoboda, overall top-10
- 2018 Whatever Hack by OpenDataScience, 4th / 25 teams
- 2017 MLH Local Hack Day, TimePad track winner
- 2013 All-Russian Internet Olympiad in Physics, 3rd / 1500 participants