Alex Kulikov

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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 · 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 · Scrapy · 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 sofware 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

ABBYY

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