

Alexey Kulikov

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EDUCATION

MOSCOW INSTITUTE OF PHYSICS & TECHNOLOGY

MS IN APPLIED MATHEMATICS & COMPUTER SCIENCE
Expected July 2020 | Moscow, Russia

BS IN APPLIED MATHEMATICS & COMPUTER SCIENCE
Grad. July 2017 | Moscow, Russia
Major GPA: 3.4/4.0 | Cum. 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

Comfortable with:

C/C++ (flex-bison, Win32 API) • Python (sklearn, numpy, scipy, nltk) • Unix (bash, System V IPC) • Git
Basic knowledge:

x86 Asm • Javascript • Django • R • OpenMP/MPI • Hadoop • MS SQL Server • Valgrind • \LaTeX • Scrum • Doxygen • .Net • Powershell

HUMAN LANGUAGES

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

INTERESTS

LINGUISTICS

Student of MIPT Computational Linguistics department since 2015.

TEACHING

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

EXPERIENCE

ABBYY | JUNIOR SOFTWARE DEVELOPER

Since February 2017 | ABBYY IHQ (Moscow, Russia)

- Improved performance of domain model compiler by 5x.
- Adding new features to the internal ABBYY linguistic software;

MIPT | TEACHING ASSISTANT (PYTHON, COMPILER THEORY)

Since September 2017 | MIPT Moscow, Russia

ABBYY | KNOWLEDGE ENGINEER

June 2016 – February 2017 | ABBYY IHQ (Moscow, Russia)

- Developed information extraction rules for the ABBYY Compreno technology;
- Resolved over 100 issues on extraction of basic concepts;
- Successfully deployed 2 proof-of-concept projects for corporate clients.

«INTELLECTUAL» BOARDING SCHOOL

TEACHING ASSISTANT (FORMAL LANGUAGES, MATH, ORIGAMI)

Since 2013 | Moscow, Russia

- Author of Formal Languages course (taught during summer school);
- Led the Math Olympiad course for several years.

PROJECTS

REDACTION PROJECT MANAGER, C# DEVELOPER

Since February 2017 | redaction.ai

- Led a team of 9 MIPT students;
- Designed the architecture of the solution;
- Developed the Redaction MS Word plugin.

Part of the project was incorporated into ABBYY FineReader builds.

ZADOLBALI CORPUS ANALYSIS PYTHON DEVELOPER

October 2017 – December 2017

- Scraped a corpus of stories from zadolba.li;
- Analyzed the data and trends using ML methods;
- Experimented with ElasticSearch.

JIVE COMPILER C++ DEVELOPER

September 2016 – May 2017 | MIPT

- Implemented a parser for the MiniJava language using the flex-bison toolchain;
- Developed AST and IR generators.

JULES VERNE TRILOGY VISUALIZATION PYTHON DEVELOPER

February 2016 – June 2016 | julesvernetrilogy.com

- Led the Compreno InfoExtraction team;
- Integrated the project with the ABBYY Compreno technology.

AWARDS

2018	Winner (Roskomsvodoba track)	Hack.Moscow
2018	Winner (4th / 25 teams)	Whatever Hack by OpenDataScience
2017	Winner (TimePad.ru track)	MLH Local Hack Day
2017	Winner (2nd prize)	1st ICO Lab Hackathon
2013	Winner (3rd / 1500)	All-Russian Internet Olympiad in Physics