Alexey Kulikov

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EDUCATION

MOSCOW INSTITUTE OF PHYSICS & TECHNOLOGY

MS in Applied Mathematics & Computer Science
Expected July 2019 | 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) • LaTeX
Basic knowledge:
x86 Asm · Javascript · Django · R · OpenMP/MPI · Hadoop · MS SQL Server · Valgrind · git · Scrum · Doxygen

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)
- Adding new features to the internal ABBYY linguistic software;
- Maintaining the ABBYY Natural Language Compiler Engine.

MIPT | Teaching Assistant (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

ABBYY REDACTION Project Manager
Since February 2017 | ABBYY
Part of the project was incorporated into ABBYY FineReader builds.
- Led a team of 7 MIPT students;
- Implemented solutions for Redaction based on ABBYY technologies.

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 Compreno Team Leader
February 2016 – June 2016 | julesvernetrilogy.com
- Led the Compreno InfoExtraction team;
- Integrated the project with the ABBYY Compreno technology;

STACK CPU EMULATOR C Developer
October 2013 – March 2014 | intel iLab
- Designed a stack CPU emulator + custom asm command set;
- Implemented lexical & syntactic analyzers with tree visualization;
- Developed a binary translator into x86 asm.

AWARDS

Year	Award	Event
2017	Winner (2nd prize)	1st ICO Lab Hackathon
2013	Winner (3rd / 1500)	All-Russian Internet Olympiad in Physics
2010	Winner (1st prize)	Intel-Dynasty Conference for Gifted Children (CS section)