

Work Experience

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| Dec 2016 – | Smarkets
Junior Data Scientist | London, United Kingdom |
| | <ul style="list-style-type: none">• Smarkets is one of the world's largest prediction markets (betting exchanges) that offers a secure and transparent trading platform with significantly lower transaction fees than the competition. | |
| Jun 2015 – Sep 2015
(3 months) | Google
Software Engineering Intern, gTech | London, United Kingdom |
| | <ul style="list-style-type: none">• Built a client application for Mopsus, internal forecasting & prediction platform written in Java• Enabled Machine Learning in Mopsus by integrating the platform with Google Prediction API models• Discovered and fixed 7 critical bugs in Mopsus and Prediction API beyond the scope of the intern project | |
| Aug 2013 – Jun 2015
(1 year 10 months) | Mirantis
Software Engineer, OpenStack Engineering Performance | Moscow, Russia |
| | <ul style="list-style-type: none">• Submitted 123 commits across 3 projects in OpenStack, an open-source cloud-computing platform written in Python: Nova (resource management), Rally (benchmark system), Murano (application catalog)• As a core developer in Rally, implemented critical system components (benchmark runners, data processing, Rally API), accomplished 963 code reviews, was the top #2 contributor• Optimized the listing algorithm for compute nodes in Nova, achieving a 5x performance improvement• Mentored the open-source community of Rally and prepared Rally documentation from scratch | |
| Jan 2013 – Jun 2015
(2 years 6 months) | Higher School of Economics
Research Assistant, Laboratory for Intelligent Systems (part-time) | Moscow, Russia |
| | <ul style="list-style-type: none">• Leading developer in a research group working on text analysis methods (headed by B. Mirkin, prof.)• Designed and implemented LM Monitor – graph-based, client-server text visualization system | |
| Jun 2012 – Aug 2013
(1 year 2 months) | Empatika
Data Scientist / Software Engineer, Empatika Labs (part-time) | Moscow, Russia |
| | <ul style="list-style-type: none">• Contributed to design decisions in App in the Air (mobile flying assistant) through user data analysis• Improved the UX by implementing the statistical classification of airport tips and their sentiment analysis• Developed Google AppEngine back-ends for App in the Air and other mobile apps | |

Education

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| Sep 2015 – Sep 2016 | Université Paris-Est Marne-la-Vallée
M.Sc. in Computer Science (double degree) | Paris, France |
| Sep 2010 – Sep 2016 | National Research University Higher School of Economics
M.Sc. in Data Science / B.Sc. in Software Engineering (GPA 9.6/10) | Moscow, Russia |
| Summer Schools: | Microsoft Research Summer School (2011, 2013), CSEDays.Theory Summer School (2013, 2014), Helsinki University Summer School on Bioinformatics Data Structures (2016) | |
| Scholarships: | Segalovich Scholarship from Yandex (2015), Russian President Scholarship (2012) | |

Skills

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| Computer Science: | Software Engineering, Machine Learning, Natural Language Processing, Bioinformatics |
| Computer Languages: | Python, Java (proficient), R, Matlab, SQL, C#, C++ (prior experience), Scala, F# (basic knowledge) |
| Natural Languages: | Russian (native), English (fluent, IELTS 8.5/9.0), German (fluent, DSD C1), French (intermediate) |

Other Projects

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| 2016 | TwitterScope : Analyzer of political tweets employing Machine Learning and NLP techniques |
| 2014 – 2016 | EAST : Python package for statistical NLP based on annotated suffix trees (bachelor's thesis) |

Selected Publications

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| 2015 | Dubov M. “Text Analysis with Enhanced Annotated Suffix Trees: Algorithms and Implementation” // AIST, 4th International Conference, Revised Selected Papers. CCIS, Vol. 542, Springer. – pp.308-319 |
| 2014 | Dubov M., Mirkin B., Shal A. “Automatic Russian Text Processing System” // Open Systems. DBMS. – v.22 №10, pp.15-17 |

Competitions & Awards

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| 2014 | International Piano Competition for Outstanding Amateurs – 3 ^d prize & Press award | Paris, France |
| 2013 | Yandex Hackathon on Open Data Analysis – 3 ^d prize | Moscow, Russia |
| 2010 | All-Russian Olympiad in German Language – 1 st prize | Nizhny Novgorod, Russia |