

Nikolay Karpov **Data Scientist, Associate Professor**



Contacts

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Interests

Natural Language Processing, Recommender Systems, Deep Learning, Text Mining, Speech Recognition

Papers

<https://www.hse.ru/en/staff/nkarpov#sci>

<https://scholar.google.ru/citations?user=l6BFdpAAAAAJ&hl=en>

Jobs

- 03.2018 – till present time. Head of Artificial intelligence Lab of HSE and Netcracker Technology.
- 09.2017 – till present time. Data Scientist at the New Tang Dynasty Television (NTD TV).
- 05.2016 – 05.2017. Programmer and Data Scientist at the Neuron Ltd. Nizhny Novgorod.
- 09.2015 – till present time. Programme Academic Supervisor of “Applied Mathematics and Information Science” and “Software Engineering”.
- 09.2014 – till present time. Deputy Dean for Academic Progress: HSE Campus in Nizhny Novgorod / Faculty of Informatics, Mathematics, and Computer Science.
- 09.2011 – till present time. Associate Professor at the Department of Applied Mathematics and Informatics. National Research University Higher School of Economics (HSE).
- 05.2010 – 08.2011. Web programmer at the RIDA Company, Lecturer at the Lyceum № 82 of Nizhny Novgorod
- 09.2008 – 05.2010. Lecturer at the Mathematics and Computer Science department. Nizhny Novgorod State Linguistic University
- 09.2005 – 08.2008. PhD student, Technical support specialist. Nizhny Novgorod State Linguistic University

Projects

- 03.2018 - 05.2018. Internship in the School of Computer Science and Engineering, Nanyang Technological University. Singapore
- 2017 - till present time. Young Faculty Development Programme of the high-potential group «Future professoriate» in the NRU HSE of which the candidate is a member since 22 December 2017
- 2017 - till present time. Academic Fund Program at the National Research University Higher School of Economics (HSE) in 2017 (grant N17-05-0007) and by the Russian Academic Excellence Project "5-100"
- 2016 - till present time. RFBR project No. 16-06-00184A. Dialog analysis in social media. Role: scientist.
- 2016 - 2017. The recommendation system for highly loaded Russian news portal “Life.ru”. Role: scientist and programmer.
- 2016 Analysis of stance of the official and unofficial mass media. Role: programmer.
- 2015 - 2016 Sentiment analysis in multimedia data from social media. Role: head, scientist.
- 2014 Readability analysis and searching approaches to texts simplification. Role: scientist.

- 2013 - 2014 Project No. 20958 Fund of developing small enterprises in the scientific-technical sphere, "Investigation of speech recognition algorithms. Development of prototype of software for automatic speech data receiving in the Russian language and converts it to text" Role: scientist.
- 2013 The Project "Start-NN-1-13" of the Ministry of industry and innovations of Nizhny Novgorod region on the design and development of new high technology products and technologies, "Development of a software unit descriptors extraction in continuous speech". Role: programmer.
- 2013 Development of recommendation system to find relevant experts "Infoport". Role: scientist.
- 2012 Educational project of the NRU HSE, "Development of online tutorial for subject "Computational Linguistics". Role: programmer.

Education and Degrees

- 2009. Ph.D. in Computer Science «Algorithm for Unsupervised Learning on the Basis of Informational Theory of Speech Perception». Nizhny Novgorod State Technical University
- 2009. Postgraduate program in Computer Science Nizhny Novgorod State Linguistic University, Mathematics and Computer Science dep.
- 2006. Master of Economics and Finance National Research University Higher School of Economics
- 2005. Bachelor of Information systems in telecommunication Nizhny Novgorod State University

Some Technical Skills

Python, Flask, Tensorflow, Keras, PHP, Java, MySQL, PostgreSQL, Oracle DB, Elasticsearch, Redis, Google Big Query, Linux, Git, Spark, Docker, UWSGI