

Nikita Doikov

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Residence: Belgium, Louvain-la-Neuve

Nationality: Russian

RESEARCH INTERESTS

Optimization, Algorithms, Machine Learning

EDUCATION

- PhD Student, UCLouvain** 2018 – *now*
Thesis topic: Development of second-order optimization methods
Supervisor: [Yurii Nesterov](#)
- MSc, Skoltech and Higher School of Economics**, GPA – 9.3/10.0 2015 – 2017
Thesis title: “Regularized Newton method for optimizing strongly convex functions”
Supervisors: [Yury Maximov](#) and [Yurii Nesterov](#)
- BSc, Lomonosov Moscow State University**, GPA – 4.9/5.0 2011 – 2015
Thesis title: “Adaptive regularization of probabilistic topic models”
Supervisor: [Konstantin Vorontsov](#)

INDUSTRY EXPERIENCE

- Software Engineering Intern at **Google**, Zürich, Geo GA team 2018
- Junior Research Scientist at **Samsung-HSE Laboratory**, Moscow 2018
- Research Intern at **Skoltech**, Moscow, Center for Energy Systems 2016 – 2017
- Software Engineering Intern at **Google**, Zürich, YouTube Content ID team 2016
- Junior Software Engineer at **Yandex**, Moscow, Maps Routing team 2015 – 2016
- Research Engineer at **Computing Centre of RAS**, Moscow, Topic Modelling 2015

TECHNICAL SKILLS

Advanced: Algorithms and Data Structures, Numerical Optimization Methods, Machine Learning, Data Analysis, Natural Language Processing, Computer Vision

Technologies: C++, Python, Matlab, R, SQL, Intel Assembler, UNIX OS architecture, MapReduce, Flume, BigARTM, Vowpal Wabbit, word2vec, BERT, libsvm, liblinear, Theano, Lasagne, DistBelief, TensorFlow, \LaTeX , Git, SVN

REVIEWING

Conferences: ICML 2019, 2020, NeurIPS 2019, 2020

Journals: Optimization Methods and Software, Journal of Optimization Theory and Applications

TEACHING EXPERIENCE

- Large-scale Optimization and Applications** at [Skoltech](#), seminars 2017
- Optimization Methods** at [Faculty of Computer Science, HSE](#), seminars 2017, 2018
- Bayesian Methods in Machine Learning** at [HSE](#), teacher assistant 2017, 2018, 2019