

USHAKOV ROMAN

PERSONAL INFORMATION

Born in Russia, 20 years old

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phone +7 (915) 145 04 25

github [canorbal](#)

EDUCATION

2017 - present [School of Data Analysis, Yandex](#)

2017-present [Institute for Information Transmission Problems](#)

2015-present [Moscow Institute of Physics and Technology](#)

2016, summer [Eastbourne School of English](#)

PUBLICATIONS

2017 [Consistent Estimation of Mixed Memberships with Successive Projections](#)

This paper considers the parameter estimation problem in Mixed Membership Stochastic Block Model in a random graph allowing for overlapping community structure. We present the new algorithm which combines the ideas of spectral clustering and geometric approach for separable non-negative matrix factorization.

Advisor: Prof. Maxim PANOV, Skoltech

Paper was accepted to [Complex Network Conference 2017](#), Lyon, France.

WORK EXPERIENCE

2017, summer [Kaspersky Lab](#) — intern researcher

Our team was developing cyber-attack detection algorithms, proving the concept for LSTM-based approach for anomaly detection. The purpose of my research was to find the most accurate and fast trainable architecture of time series encoder-decoder.

Stack: tensorflow, keras + PyData stack

SKILLS

- PyData stack, C++, bash, SQL, Docker, Git, experience in using AWS Amazon services for complex calculations
- Algorithms and data structures, linear algebra, theory of probability and mathematical statistics, ML algorithms

ACHIEVEMENTS

- 1st place. [FunHack](#). Project: face transferring on video via using DeepFakes nn architecture.
- 1st place. Anomaly detection [hackathon](#) by Kaspersky Lab
- 1st place. mABBYlity [hackathon](#) by ABBYY. Project: Lawyer Telegram bot
- 1st place. Image recognition [hackathon](#) by PhotoLab. Project: Recognition and improvement Instagram filters
- Abramov's scholarship for excellent progress in university in 2015-2017

March 21, 2018