

Egor Lakomkin



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[Kaggle](#)

Key competences: neural networks, machine learning, natural language processing

Education:

Moscow State Technical University n.a. Bauman, Moscow, Russia. Automatic Information Processing and Control Systems, Master's degree in Computer Engineering, class of 2011, GPA 4,4 (of 5)

Publications:

- “Reusing neural speech representations for auditory emotion recognition“. To be appear in IJCNLP-2017
- “GradAscent at EmoInt-2017: Character- and Word-Level Recurrent Neural Network Models for Tweet Emotion Intensity Detection“. To be appear in Workshop (WASSA) at EMNLP-2017 (2nd place in shared task)
- “Automatically augmenting an emotion dataset improves classification using audio”, Proceedings of the 15th Conference of the EACL (20% acceptance rate)
- “Identify bird species from continuous audio recordings”, In Proceedings of the 7th Russian Summer School in Information Retrieval (RuSSIR 2013), Kazan, Russia
- “Analysis of statistical algorithms of morphology disambiguation for Russian language”, In Proceedings of AIST'2013, Yekaterinburg, 2013

Experience

2016 – present, **University of Hamburg**, PhD student

- Research associate at EU-funded "SECURE" project. The goal of the project is to investigate models and approaches for dangerous situations detection by analyzing acoustic and linguistic information with deep neural networks.

2014 – 2015, **Nanyang Technological University**, researcher

- Biomedical named entity recognition, deep learning, conditional random fields

2013, **DrugAnalog App**, founder

- Developed Android mobile application to help people find information about existing generics for particular drug
- Developed drug interaction finding tool using textual analysis of drug descriptions

Environment: Java, Python

2013, **LLC "Integrated Medicine Card"**, developer

- Developed service for automatic medical invoice processing aimed to detect anomalies using machine learning

Environment: Python

2011-2012, **InterFinTrade**, developer

- Developed platform for high frequency algorithmic trading, backtesting.

Environment: Java, Linux (+realtime extensions), Netty, C++, Python

2011, **Nanyang Technological University**, research intern

- Developed web service for storing and representing knowledge about natural disasters mined from news articles using implemented annotated event extraction algorithm.

Environment : Java, Python, OpenCyc, Google Maps API, Javascript, jQuery, SVM

2010, **Indra Software Labs**, researcher and developer

- Developed infrastructure for computer interface management with electronic glove (acceleglove)
- Developed semantic web application

Environment: Java, RDF, SQL, OpenGL, HMM

2008-2010, **Russian Trading System Stock Exchange**, software developer

- Developed payment system gate for TransCreditBank
- Developed client registration service

Environment: C++, Java, SQL

Skills:

Programming languages: Python

Frameworks/libraries : pytorch, tensorflow, scikit-learn, pandas, numpy, scipy, matplotlib, xgboost,

Awards

- 2nd place in Spoken Language Recognition contest at TopCoder([link](#)).
- 3rd place in Harvard Banner Disease Recognition Competition contest at TopCoder
- Apps4Russia contest winner, nomination “Comfortable city”
- Garage48 hackaton winner <http://www.garage48.org/blogger/garage48-moscow-2013-winning-project-helping-guitar-learn-mailru-hse-incubator-yoda-guitar>
- HackaPhone 2013 Winner @ Mobilefest
- Higher School of Economics grant “From idea to project” winner
- "My idea for Russia 2012" contest winner

Languages: English – fluent, Geman - beginner