



# Luiza Sayfullina

## Curriculum Vitae

Updated: 1/12/2017

### Education

- 2015–present **Data Mining and Machine Learning**, *Aalto University*, Finland, Doctoral Student.
- 2012–2014 **Data Mining and Machine Learning**, *Aalto University*, Finland, *GPA – 4.45 out of 5.*  
Master's Diploma with Honours
- 2007–2012 **Specialist's Degree in Computer Science**, *Kazan Federal University*, Russia, *GPA – 5 out of 5.*  
Specialized in Math Optimization, Diploma with Honours

### Fields of interest in Machine Learning

- Deep Learning with PyTorch
- Natural Language Processing
- Domain Adaptation for text classification

### Master's Thesis

- Title Reducing Sparsity in Sentiment Analysis Data using Novel Dimensionality Reduction Approaches
- Supervisors Professor Juha Karhunen & D.Sc. Yoan Miche
- Description Thesis proposes new dimensionality reduction techniques for solving sentiment analysis problems, including word clustering and supervised tf-idf feature scoring. Proposed dimensionality reduction techniques were shown to be beneficial for Sentiment Classification using Extreme Learning Machines.

### Experience

#### Data Mining and Machine Learning

- November 2017– **Visiting PhD Scholar**, *New York University*, Prof. Kyunghyun Cho, USA.
- December 2017 Project details:
- Domain adaptation for text classification with unsupervised corpus

October **Research Assistant**, *Aalto University*, Finland.  
2013-May Project details:  
2014   ◦ Sentiment Analysis for Twitter data

## Activities and awards

2017 Visiting scholar, NYU, USA  
2017 Nokia Foundation Scholarship, Helsinki  
2017 Google CodeU programme, London/online  
2017 Vision and Sports Summer School, Prague  
2016 Deep Learning Summer School, Montreal, Canada  
2015 Machine Learning Summer School, Tübingen, Germany  
2014 Smart Ways of Being Inexact, Soft Computing school, Stockholm, KTH  
2013 Microsoft School on ALgorithms for MAssive DAta, Moscow, Russia  
2013 The 7th Russian Summer School in Information Retrieval, Kazan, Russia  
2011 Cambridge Enterprisers programme, Moscow  
2010 Exchange Student, Computer Science Department, Helsinki University  
2009 Won the scholarship for exchange studies in Helsinki University  
2007 Regional Math KFU Olympiad, II and III places, Kazan, Russia

## Teaching

2016-2017 AIHelsinki Academia study group organizer [aihelsinki.com](http://aihelsinki.com)  
2016 Course assistant “T.61-6050. Special course on Deep Learning”  
2015 Research project instructor “T-61.5910 Research Project Course”  
2014 Course assistant for “Information Visualization”  
2014 Course assistant for “T-61.6090 Special Course in Language Technology”

## Languages

English **Fluent, TOEFL iBT:100**  
Finnish **B2, YKI exam**  
Russian **Mother tongue**

## Programming skills

- PyTorch	- Python
- Theano	- TensorFlow
- Linux	- C++

## Interests

- Practical psychology: <a href="http://muzaluiza.ru">muzaluiza.ru</a>	- Photography
--	---------------