
Olga Kovaleva

E-mail olga_kovaleva@student.uml.edu
Languages English (advanced), French (intermediate), Russian (native)

SKILLS

Programming C/C++, MATLAB, Python
Machine Learning Numpy, Scipy, Scikit-learn, Pandas, OpenCV, NLTK
Deep Learning frameworks TensorFlow/PyTorch
OS Linux/Windows
Other LaTeX, HTML/CSS

EXPERIENCE

UMass Lowell Text Machine Lab, research assistant

SEP 2017 - CURRENT

- **Representation Learning:**
 - Using word- and N-gram level synonymy for better semantic representation of input text
- **Social media analysis:**
 - Tracking social and political conflicts intensity using a combination of NLP and user graph features
- **Medical data analysis:**
 - Prediction of patient readmission using medical discharge summaries
 - Unsupervised patients clustering based on electronic health records

Schlumberger Moscow Research, research associate student

JUL 2014 - JUL 2016

- Digital image processing: 3D image reconstruction, filtering, segmentation and analysis
- Software development: automatic tools for assessment of physical properties of laboratory samples using imaging data

PUBLICATIONS

- O.Kovaleva, A.Rumshisky, A.Romanov. **Similarity-Based Reconstruction Loss for Meaning Representation**. Conference on Empirical Methods in Natural Language Processing. 2018 (Accepted).

EDUCATION

UMass Lowell, MA - *PhD (in progress)* | Computer science

SEP 2017 - CURRENT

GPA 4.0/4.0

Moscow Institute of Physics and Technology - *MSc* | Applied Mathematics and Physics

SEP 2014 - JUL 2016

GPA 4.95/5.0

Moscow Institute of Physics and Technology - *BSc* | Applied Mathematics and Physics

SEP 2010 - JUL 2014

GPA 4.94/5.0