Artem Betlei

Profile

Researched problems in spheres of uplift prediction, social network analysis, customer churn in banking and deep learning in computer vision • Aspiring Kaggle competitor • Independent, quick learner with 6 Coursera certificates

Education

2012-2016 **B.Sc., Apply Mathematics and Physics**
- Moscow Institute of Physics and Technology, Russia

2017-2018 **M.Sc., Industrial and Applied Mathematics**
- University Grenoble Alpes/Grenoble INP (Ensimag), France

Expertise

Machine learning • Deep learning • Computer vision • NLP • Statistical data analysis • Optimization

Experience

SVM** • **Logistic Regression** • **Random Forest** • **XGBoost** • **K-means** • **Word2Vec** • **CNN** • **Style Transfer** • **Image Segmentation

2014-2017 **Marketer & Data Analyst • Rocketbank**
Developed customer churn prediction model

2015-2016 **Bachelor Student Researcher • ISPRAS**
Develop model of marital status prediction of social network users

2016-2018 **Data Scientist • Prisma Labs**
Research and develop image segmentation and style transfer projects

2018-today **Research Scientist • Criteo**
Research uplift prediction and counterfactual learning topics

2018 **CausalML Workshop • ICML 2018**
Presented poster based on paper «Dependent and Shared Data Representations improve Uplift Prediction in Imbalanced Treatment Conditions»

2018 **AdKDD Workshop • KDD 2018**
Co-author of the paper «A Large Scale Benchmark for Uplift Modeling»

2018 **Finalist • Data Science Game 2018**
6/20 place with ENSIMAG team

Technical skills

Programming languages **Python** • R

Databases MS SQL • MongoDB

Science software IPython Notebook • PyCharm • RStudio • LaTeX

Tools Git • Numpy • Scipy • Pandas • Matplotlib • Scikit-Learn • Lasagne • Keras • TensorFlow • NLTK • Amazon MTurk

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Communication and Leadership

2010-2013 Took a place in a variety of song and dance festivals

2013-2014 Taught mathematics and physics in a center of intellectual development for > 20 children 10-15 years old

2014-2015 Supervised first-year students

Independent Coursework

Stanford courses **CS231n** (Convolutional Neural Networks for Visual Recognition) • **CS224d** (Deep Learning for Natural Language Processing)

Coursera **Coursera verified certificates**
Introduction to machine learning • Mathematics and python • Supervised learning • Unsupervised learning • Regression models • Statistical Inference

Kaggle Titanic: Machine Learning from Disaster • Rossmann Store Sales • Lemmatization, identifying parts of speech • Dota 2: Win Probability Prediction

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