Dmitry Ulyanov

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EDUCATION

- PhD student at **Skoltech** (supervisors: Victor Lempitsky and Andrea Vedaldi).

- MS in Applied Math, Moscow State University.
  - CMC faculty, mathematical methods of forecasting department.

EXPERIENCE

- Research scientist at **Yandex** (2015 -- present).
  - Various computer vision and machine learning research.

- Teaching assistant at **Yandex School of Data Analysis** (Feb. 2016 -- June 2016).
  - Representations and Deep Learning course.

- Internship at **Google** (summer 2014).
  - Worked on the speaker verification system, exploring new methods, that use Deep Neural Networks.

- Prize winner at **Kaggle**.
  - **Won** several local data mining contests (1, 2), **second place** (1, 2).
  - **First place** in the CrowdAnalytix contest.
  - **First place** in Data Science Game 2015.
  - **Third place** in Data Science Game 2016.

- Research project at **Skoltech** (summer 2015).
  - Exploring efficient methods for 3D point cloud registration.
  - The first license transfer by Skoltech ever.

- 30 min. talk at **WWW BIG 2015** on the 3rd place solution to **Microsoft** Malware Classification Challenge.

- **Intel ISEF 2010** (San Jose, California) finalist in CS team projects section.

- Did research about music audio signals, source separation.
  - Results of my drum separation research were presented at *RuSSiR 2013 Young Scientist Conference*, are available here.

PUBLICATIONS

- Instance Normalization: The Missing Ingredient for Fast Stylization
  Dmitry Ulyanov, Andrea Vedaldi, Victor Lempitsky
  Tech report. [arXiv] [github]
- Texture Networks: Feed-forward Synthesis of Textures and Stylized Images
  Dmitry Ulyanov, Vadim Lebedev, Andrea Vedaldi, Victor Lempitsky
  ICML'16. [arXiv] [github]
- Novel feature extraction, selection and fusion for effective malware family classification
  Mansour Ahmadi, **Dmitry Ulyanov**, Stanislav Semenov, Mikhail Trofimov and Giorgio Giacinto
  CODASPY '16 [arXiv]

OTHER PROJECTS

- My attempt on **neural doodles**. This was 5 times faster than the existing method.
  [github]
- Online neural doodle service likemo.net.
  [link] [github]
- Multicore t-SNE implementation.
  [github]

SKILLS

- Programming languages:
  - C/C++, C#
  - MATLAB, R, Lua (Torch)
  - Python (my love)
  - Language is not a problem

RESEARCH INTERESTS

- Data mining
- Audio processing
- Music signal source separation
- Computer vision

References available upon request.