Vera Sosnovik

PhD student, University Grenoble Alpes

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Research Interests

Political Advertising, Transparency, AI and Society, Social Networking

Education

2019 – 2023 (expected) **PhD, Computer Science**,
University Grenoble Alpes, Grenoble, France
"Detection and Analysis of Online Political Advertising"

2018 – 2019 **MSc, Computer Science**,
University Grenoble Alpes, Grenoble, France
"Representation Learning for Time Series Motif Extraction"
PERSYVAL-Lab scholarship

2016 – 2018 **MSc with Honors, Applied Mathematics and Physics**,
Moscow Institute of Physics and Technology, Moscow, Russia
"Detection of Rapidly Moving Objects on the Spatially Correlated Background"

2012 – 2016 **Applied Mathematics and Physics**,
Moscow Institute of Physics and Technology, Moscow, Russia
"Detection of Corrupted Pixels in Telescopes Sensors"

Academic Experience

Teaching BSc course **Digital Signal Processing**,
Moscow Institute of Physics and Technology, 2017

Supervision Aya Sahbi
Technology for Auditing Online Political Advertising
2021 (6 month)

Romaissa Kessi
Multi-label Classification of Online Political Advertising
2021 - 2022 (12 month)

Work Experience

02.2019 – 07.2019 **LIG AMA team**, Intern
Apply recurrent neural networks (LSTM variant) and weight dynamic time warping for efficient time series classification and interpretation of this classification.

Work Experience (continued)

09.2017 – 07.2018 **Moscow Institute of Physics and Technology**, Junior engineer
Applied deep learning methods for the detection of rapidly moving objects in satellite imagery. Processed the real world images, generated the synthetic dataset of satellite images.

02.2016 – 09.2016 **Moscow Institute of Physics and Technology**, Intern
Proposed the method for the detection of the corrupted pixels in telescopes sensors by analyzing the statistics of the obtained images. Developed a software for data analysis and control.

Skills

Coding Python, R, MatLab, SQL

Publications

2021 V. Sosnovik and O. Goga, *"Understanding the Complexity of Detecting Political Ads"*, The Web Conference, 2021 [pdf]

2023 V. Sosnovik, R. Kessi, M. Coavoux and O. Goga, *"On Detecting Policy-Related Political Ads: An Exploratory Analysis of Meta Ads in 2022 French Election"*, The Web Conference, 2023 [pdf]