ANDREI RYKOV

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OBJECTIVE

Data Science & AI graduate with research experience, seeking full-time Ph.D. studies, ML Engineer and Data Scientist roles. My research interest are cluster analysis, representation learning and deep learning in general.

EDUCATION

Master of Science in Data Science and AI, Eindhoven University of Technology (TU/e)   2021-2023
Graduation Thesis: Robust Deep Spectral Clustering
(Supervisor: dr. Sibylle Hess, Grade: 8/10)

Bachelor in Business Informatics, Higher School Of Economics, Moscow   2017 - 2021
Graduation Thesis: Application of Anomalous Clustering Methods for Determination of the Number of Clusters
(Supervisor: prof. Boris Mirkin, Grade: 9/10)

SKILLS

Data Analysis	NumPy, SciPy, Pandas
Data Visualization	Matplotlib, Seaborn, Plotly, Dash
Machine Learning and Data Mining	Sci-Kit Learn
Deep Learning	PyTorch, TensorFlow
Data Management	PySpark, SQL (Transact-SQL), Neo4j, MongoDB
Programming Languages	Python, R, C#, JavaScript
Techniques	Cluster Analysis, Predictive Analytics, Data Modeling
Languages	English (Advanced), German (Beginner), Russian (Native)

EXPERIENCE

Intern   Jul 2020
LIIS Engineering Systems   *St Petersburg, RU*

- Prepared comparative survey about various mobile applications for charging e-cars.
- Developed technical documentation with preliminary recommendations for new platform.

PROJECTS

MirCl Small python package was developed on top of the code for the bachelor thesis and further research related with clustering and optimal choice of number of clusters. Package is planned to be edited to make a process of clustering easier and more informative. [[GitHub](#)]

LinioSpace Participated in the development of public transport navigation system. As part of the project, JavaScript and Pug code for the UI of the website were written, adding a number of additional panels for the interactive map. In addition, several SQL procedures for the data processing and migration of graph information from RDBMS to graph database Neo4j were developed.

Business and IT: Development of Mobile App Business & IT, Spring 2019. Combined student team of students from Higher School Of Economics and Rotterdam University of Applied Sciences. Android App for dutch-based company was developed using Kotlin.