Valentina Kononova

Data Scientist

Master of Science with 2 years of international experience in natural language processing. Designed and deployed a variety of models using advanced AI/ML algorithms. Looking for a team to continue professional growth and add more value

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EXPERIENCE

Reputation Earth, Kazan – *Data Scientist*
June 2019 - present

- Built and optimized binary and multi-label models for sentiment and topic classification with accuracy up to 91%
- Conducted researches on natural language processing tasks: text segmentation, named entities recognition, phrases extraction, clustering and classification
- Scraped, parsed and prepared (text segmentation, cleaning and labelling) data for training machine learning models
- Deployed production models to generate responses based on sentiment and semantic of customer's reviews

Siemens, Kazan and Ilmenau - *Scholar*
September 2016 – August 2018

- Conducted researches on sensor data validation using ML algorithms (time series classification, clustering, visualization)
- Wrote and defended a master thesis on Sensor Data Validation under the company supervision

State Institute of Applied Optics, Kazan – *Engineer*
March 2016 – September 2017

- Designed documentation (circuit diagram, Bill-Of-Materials)
- Provided quality assurance of printed circuit boards and their components
- Wrote and defended bachelor thesis on PCB components placement under the company supervision

EDUCATION

TU Ilmenau, Ilmenau – *Master of Science in Research in Computer & Systems Engineering*
2016 – 2018

Kazan National Research Technical University – KAI, Kazan – *Master of Science in Research in Computer & Systems Engineering*
2016 – 2018

Kazan National Research Technical University – KAI, Kazan – *Bachelor in Computer Science*
2013 – 2016

SKILLS & TOOLS

Natural language processing, Machine Learning, Neural Networks, Probability & Statistics

Python, SQL, Jupyter Notebook, VS Code, Docker

Teamwork: Agile, Kanban, Asana, Slack, Git

Python packages: numpy, pandas, spacy, nltk, sklearn, tensorflow, keras

CURRENT PROJECTS & RESEARCHES

Text segmentation into meaningful verb phrases
Multi-label classification research
Model training on very imbalanced data

LANGUAGES

Russian	Native Speaker
English	Upper-Intermediate
German	Beginner

INTERESTS

Personal Development
Data science blogging
Volunteer work to protect the environment
Moderate and participate in a book club