IRINA STOLYAROVA

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PERSONAL PROFILE

MSc graduate in Data Science with industrial experience in the technology field. Eager to apply acquired knowledge to real-world problems and translate data into industry insights.

SKILLS

Programming languages: R, Python, Bash, SQL, MATLAB, VBA
Technologies & Software: Linux, Kafka, Elastic Stack, MongoDB, Tableau, HTML, Git
Spoken Languages: Russian (Native), English (Native)

EXPERIENCE

JUNIOR APPLICATIONS ENGINEER NOV 2018 – SEP 2019
Featurespace Ltd, Cambridge, UK

Featurespace is the creator of a platform for real-time fraud detection that uses machine learning and adaptive behavioral analytics.

- Supported customer deployments through resolution of complex technical issues
- Facilitated NoSQL data bases with billions of transactions
- Collected team operation data and created VBA excel workbooks and dashboards
- Analysed team performance data leading to improvements in team operations and faster response times
- Learnt about Data Science workflows by working with other teams in the company

ENGINEER INTERN AUG 2017 – SEP 2017
Russian Special Astrophysical Observatory SAO RAS, Russia

- Analysed installed renewable energy technologies on the observatory grounds
- Determined the locations solar energy potential through data analysis
- Designed a new small-scale solar power system for the observatory
- Calculated costs and the payback period of the solar power system

EDUCATION

UNIVERSITY OF EXETER SEP 2019 – SEP 2020
MSc in Data Science and Statistics (1st Class Honors)
Research project*: Short term forecasting of harmful algal blooms (HABs) in South West England aquaculture sites*

- Developed a short-term forecasting model, predicting toxicity levels with an accuracy of 80%, which can assist shellfish farm management decisions.
- Took part in universities professional pathways course – 'Pathway to Data Analytics'

UNIVERSITY OF EXETER SEP 2015 – JUL 2018
BEng in Energy Engineering (2.1 Class Honors)
Dissertation project: *Review of the Thorium Fuel cycle for Sustainable Nuclear Power Generation; Nuclear can be a Renewable Energy Source* (project grade: 1st)

AWARDS & PROJECTS

Posters in parliament
Produced a winning research poster titled '*Thorium: A pathway to clean nuclear energy'* which was chosen to represent the University of Exeter in the UK Parliament.

Clustering of electricity demand profiles
Performed k-means clustering on power data recordings at substations and identified distinct electricity demand groups, as well as assigned new substations to the identified groups