

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 – C2 (Native), English – C2 (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 performance metrics and created VBA excel workbooks and dashboards
- Analysed team performance data leading to improvements in team operations
- 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 (Distinction)

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%
- Dean's Commendation for Exceptional Performance – Performed at the top end of the First-Class range
- 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*

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 ([irina-stol.github.io](https://github.com/irina-stol))

Performed k-means clustering on power data recording at substations in order to see whether there are groups that have similar demand profiles and note any differences between seasons.