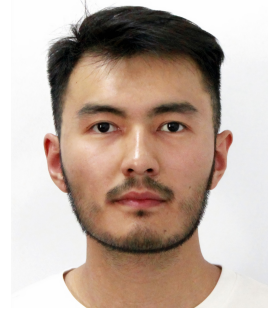# Beksultan Tuleev — Data Scientist

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in beksultan-t-33b6601b6   •   ⌗ beksultantuleev

Education

University of Trento	**Italy**
Master of Science in Data Science, GPA: 100/110	*Sep 2019–Mar 2022*

Thesis: *Non-line-of-sight Detection And Mitigation Using Machine Learning For Indoor Positioning Ultra-wideband System*

OSCE Academy	**Kyrgyz Republic**
Master of Arts in Economic Governance and Development	*Sep 2017–Dec 2018*

Thesis: *The Impact of Trade Openness on Technical Efficiency in the Agricultural Sector in Post-Soviet Countries 1990-2014*

American University of Central Asia	**Kyrgyz Republic**
Bachelor of Arts in Economics	*Sep 2013–Jun 2017*

Thesis: *Quantitative Economics Research, The Application Of Dantzig's Simplex Algorithm On The Micro-construction Company*

Experience

Nurtelecom, Mobile Network Carrier	**Bishkek, KG**
Data Scientist / Data Automation Engineer	*Apr 2022–Mar 2023*

- Improved ML model prediction of Active Customers for next fiscal month with 99% recall and precision.
- Developed a versatile pip library (nurtelecom-gras-library) to facilitate connection and manipulation of Oracle databases, leveraging efficient algorithms for seamless handling of spatial data.
- Developed a Telegram bot to streamline task and job management in Oracle, reducing the time and effort required for maintenance and control of these processes.
- Implemented automatic failure recovery, which allows failed tasks to be automatically restarted in the event of external failures, improving system reliability and reducing downtime.

The Openwork Partnership, Financial Advice and Investment Network	**Swindon, UK**
Data Scientist Intern	*Jun 2021–Oct 2021*

- Developed Multi-Output ML models for predicting customers with a high likelihood of purchasing protection products in different income segments.
- Developed a custom framework to operate multiple models with embedded report creation upon completion that simplifies further ML applications.
- Developed an in-depth visualization approach accompanied by classification or clustering problems.

Mercy Corps, Humanitarian Aid Organization	**Bishkek, KG**
Procurement and IT Assistant	*Feb 2019–Aug 2019*

- As a Procurement Assistant at Mercy Corps, I sourced and purchased kitchen equipment for a food security project in rural areas, improving access to healthy food for children. My work supported the successful implementation of the project and contributed to long-term community development.

United Nations Development Programme, Snow Leopard Conservancy	**Bishkek, KG**
Project Management Assistant	*Aug 2018–Jan 2019*

- As a Project Management Assistant at UNDP, I provided administrative support for a project aimed at protecting snow leopards and their habitats. I coordinated logistics and assisted with reporting, contributing to the successful implementation of the project and promoting sustainable development in the communities we served.

Projects

Visualization of Reference Signal Received Power in Tableau: I designed and implemented a Tableau project to visualize signal strength data from NetMAX, and built the necessary infrastructure. The project identified areas with poor signal coverage, enabling network operators to improve network coverage for a better user experience.

Application of Ultra-Wideband System in Unmanned Areal Vehicle (UAV): Applied Ultra-Wideband for precise indoor positioning of small UAVs. Centimetre-level accuracy achieved with a Kalman filter and external UWB tag.

Skills

Programming: Python, SQL, R, Java, C#

Machine Learning: Classification, Clustering, Time Series Analysis, Deep Learning with TensorFlow

Data Visualization: Matplotlib, Seaborn, Tableau, Power Bi

Tools: MS Office, Git, Jupyter, Linux, Docker, Kafka