

# BEKSULTAN TULEEV

📧 beksultantuleev 📁 gitfolio in Beksultan Tuleev ✉ kazamabeks@gmail.com 📞 +44 7426 465 448

## EDUCATION

---

### University of Trento

*Master of Science in Data Science*

Italy

*Sep 2019 – Mar 2022*

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

### OSCE Academy

*Master of Art in Economic Governance and Development*

Kyrgyz Republic

*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

*Bachelor of Arts in Economics*

Kyrgyz Republic

*Sep 2017 – Dec 2018*

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

## EXPERIENCE

---

### Nurtelecom

*Data Scientist / Data Automation Engineer – Statistics Team*

Kyrgyz Republic

*Apr 2022 – Mar 2023*

- Improved ML model prediction of Active Customers for next fiscal month with 99% recall and precision.
- Designed and implemented a versatile 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.
- Contributed to increased productivity and efficiency within the department by providing an accessible and user-friendly interface for managing complex processes.
- Became one of the best employees (Q4 2022) for developing progressive reporting systems and automating processes.

### The Openwork Partnership

*Data Scientist – Marketing Team*

United Kingdom

*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.

## PROJECTS

---

### NLOS Detection and Mitigation using ML for Ultra-Wideband (UWB) System *Jun 2021 - Mar 2022*

- Developed fully-fledged Internet of Things (IoT) infrastructure for the Indoor Positioning System. Developed a unique automatic approach for the data-gathering process from sensors.

### Real-time Location Tracking and Trilateral Wi-Fi Positioning

*Jan 2021 - Jun 2021*

- Developed complete infrastructure that uses at least three Wi-Fi access Points to calculate a position. Developed a real-time visualisation approach that uses the matplotlib library from Python and MQTT.

### Application of Ultra-Wideband System in Unmanned Aerial Vehicle (UAV)

*Dec 2020 - Mar 2021*

- Developed the entire pipeline for real-time data processing with a sensor fusion approach.

## SKILLS

---

Python, R, Java, C, Jupiter, TensorFlow, SQL, Tableau, MS Power Bi, Linux, WSL, Bash, Docker, Git