

EMPLOYMENT

Research Assistant **Astana IT University** **August 2021**

- Made research projects **for optimization of energy balance** in regional power generation industrial objects.
- Conducted several analyses and made high level dashboards in Power BI tool to see working progress of the thermal electricity generation stations.
- Made **Machine Learning models** using time series analysis technique (ARIMA, LSTM, Regressions) to predict future values and make forecasts by scientific approaches.

Business Intelligence Analyst **LLP "Maximum-Consulting" Intern** **April 2022 – June 2022**

- **Responsible for managing data retrieval and analysis within an organization.** Their duties include organizing data points, communicating between upper management and the IT department and analyzing data to determine a corporation's needs.
- **Made Financial Analysis in Power BI**, such as evaluating businesses, projects, budgets, and other finance-related transactions to determine their performance and suitability.
- **Managed Research projects.**

Freelance

2018 April – 2022 June

- Made data visualization by using Power BI tool for various product shops with automated financial analysis & metrics by importing data from Database using API.
- Promoted several **project-based teaching methodologies.**
- Parsing data from different resources (kaspi.kz, kolesa.kz, krisha.kz, satu.kz) to make marketplace analysis & determine the trend, also use data to make price predictions (Decision tree, Random Forest, SVM...) based on feature engineering & correlation.

Data Curation Specialist **Ryte.AI** **July 2022**

- Data Validation and Checking medical resources of the different countries. Made some comparative analysis & research works.
- Made Data Cleaning by using Python programming language.

Data Quality Engineer **Nov 2022**

- Analyzed data in Power BI Dashboard provided by BI team using Development environment before production.
- Performed Database Testing cases to check data validity with PL/SQL procedures/functions in Azure Databricks.
- Tracked of the number of known errors within a data set corresponding to the actual size of the data set & make statistics.

Data Scientist **LLP Sunrise Development Intern** **July 2022 – Nov 2022**

- Time series analysis of data from Industrial object "KazZinc" by Machine Learning models & forecasting for 1 day/week/month.
- Compared different models (Prophet, ARIMA, LSTM, GARCH) between each other to choose optimized & with high score results of prediction.
- Made automated process of identifying tuning hyperparameters for different data sources.
- Worked with MySQL database by automating dataflow by python programming language.

EDUCATION

Nur-Sultan **Astana IT University** **2020 - 2023**

- Bachelor's degree in Information technology Big Data Analysis. GPA: 3.55 (still in progress)
- Undergraduate Coursework: Data Analysis; Data Science; Machine Learning Algorithms; Information Retrieval & Data Mining; Statistics and Probability; PL/SQL Oracle & PostgreSQL; Operating Systems; Databases; Algorithms;

Programming Languages; Comp. Architecture, Applied Machine Learning, Business Intelligence.

TECHNICAL EXPERIENCE

Projects

- **Comparative Analysis of Energy Consumption** in Kazakhstan by different regions and Prediction with Machine Learning time-series technique (ARIMA). Python, ML-models, Math. Statistics (February 2022).
- **Telegram Bot** (March 2022). Created with a teammate telegram bot with asynchronous method of time complexity for JAIQ Community with users for organizing several activities such as trips and festivals, also with admin panel to create news and notifications. My role was Business & Product Analyst, SQL dev. Python, PostgreSQL (April 2022).
- Made UX/UI designed full **Financial Analysis dashboard** for the corporation with 14 pages (September 2021).

CERTIFICATION AND AWARDS

- **Got offer** for a job as **Data Engineer** from “Otbasy Bank” by solving the interesting case (Data Science). Made Client segmentation analysis in order to identify loyal clients & using clusterization algorithms to find out the pattern of the data (HAC, Kmeans, RFM). Created automating Data-Flow process where starting from the reading data files, ending with visualization in Power BI (August 2022).
- **1st place in Project challenge from university** where we created **Neural Network ML-model** for **Object Recognition** from image/video/real-time to identify behavior of the students during exam sessions. (June 2022)
- **1st place** in the Competition of Research Activities in the field of Data Analysis & Machine Learning. Project name: Comparative Analysis of Energy Consumption in Kazakhstan by different regions and Prediction with Machine Learning time-series technique (ARIMA) (February 2022).
- **1st place in the republican “Student DigitalFest”** competition on the topic "**Optimization of the well production collection system using machine learning methods**" from the company "Karachaganak Petroleum Operating" where prize was 5000\$ (September 2022).
- **Certified Power BI developer** from DataBoom course (September 2021).

Languages and Technologies

- C++; Python (pandas, matplotlib, seaborn, numpy, statsmodels); SQL; PostgreSQL; Oracle PL/SQL; OOP.
- Pycharm; DataGrip; SQL Developer; Power BI; Excel, Splunk, Google Colab, Azure Databricks