ULAN TORE

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EDUCATION

Electrical and Computer Engineering | Nazarbayev University, Astana 2018 - 2023
- GPA: 3.73/4.00 (Cum Laude)
- Ranked 3rd in a class of 75

Additional online courses: Machine Learning by **Andrew Ng**, Deep learning specialization by **deeplearning.ai**, Python for everybody **University of Michigan**, Mathematics and Python for Data Analysis, Databases and SQL for Data Science with Python

EXPERIENCE

Junior Data Analyst | Arbuz.kz April 2023 - present
- Hypothesis testing - Creating dashboards (Power BI) - Automating processes using Google Analytics4 and Google Sheets APIs (Python)

Research Assistant | Data Science Lab February 2022 - May 2023
- Hypothesis testing of novel Fushion network for image classification problem. (Python, **PyTorch**)

Research Assistant | Complex Network and System Lab April 2021 - December 2021
- Worked on the project "Optimum Control of SAIS epidemic Spreading Process over Signed Network". Implemented Runge-Kutta method to obtain an analytical solution for the ODE (SAIS epidemic model). Used Monte-Carlo simulation to match analytical solution. Both methods were coded in Python, **networkx, numpy**.

Junior Specialist | Nordal August 2021 - October 2021
- Member of the team developing reliability-centered maintenance (RCM) for the largest uranium mining deposit "Инкай" (Inkai, Kazatomprom). Responsible for automatization of the calculation of reliability parameters, such as MTBF, MTTR, availability and reliability by **openpyxl**.

PROJECTS

Web scraping (BeautifulSoup)
- Extracted vacancies information from hh.kz using title query and stored them in SQLite database.
- Web scraper is robust for bot-check by constantly changing user agents and it prevents server overload.

Churn Prediction (scikit-learn) | Datathon Arbuz.kz case
- Feature engineering (one-hot encoding, binning)
- Ensemble learning: AdaBoost, XGBoost, RandomForest.
- Achieved macro F1-score of 0.64 on the test set

SKILLS HIGHLIGHTS

Programming Skills	Python, SQL, MATLAB/Octave, C++, Verilog
Libraries and frameworks	NumPy, Pandas, Matplotlib, scikit-learn, Pytorch, networks,
Software	LTspice, PSIM, VS Code
Others	MS Excel

CERTIFICATES/ACHIEVEMENTS

- Datathon winner of Arbuz.kz case
- Finalist of the "Student Digital Fest": Optimization of oil pipeline transportation.
- Dean's list Fall 2019, 2022.
- KMPG Data Analytics Virtual Experience Program