Nurbek Khalmatay

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EDUCATION

Satbayev University — Almaty, Kazakhstan
Bachelor of Computer Science GPA: 3.85/4.00 — *Sep. 2021 - Jun 2025*
- **Relevant coursework:** Linear Algebra, Calculus, Probability Theory, Mathematical Statistics, Algorithms and data structures, Databases, Data Analysis, Machine learning

Karpov Courses, ML Start — Oct. 2023 - Present
Machine Learning Engineer
- Recipient of a full scholarship from Yessenov Foundation for the course.

EXPERIENCE

Veon — Almaty, Kazakhstan
Data Scientist Intern, Fintech team — *Jul 2023 - Dec 2023*
- Python | PySpark | Hadoop
- Analyzed, developed, and replaced Astellia source with Deep packet inspection (DPI), **3 billion records** for web interests every day.
- Contributed to an internal library to accelerate the **ML life cycle**.
- Conducted pilots for clients and unloading various statistics

Spark Lab, Indrive — Almaty, Kazakhstan
Data Scientist Intern,, Air Quality Monitoring team — *Jan. 2023 - May 2023*
- Python | NumPy | pandas | Plotly
- Developed **algorithms** that make it possible to identify vehicles with **a high probability of exceeding emission standards**. These algorithms are integrated into the eco-sensor system, which reduces the time for checking vehicles and increases the efficiency of eco-posts.
- Processed about **52,000 vehicles** and **84,000 eco-sensor records**. According to the results of the scoring, all cars were rated. The top **388 cars** (suspects) were transferred to Almaty Police Department (uploaded to tablets).
- Developed **interactive visualization of sorted data on the map** with data of date, time, number of cars near cameras and eco-sensors, PM 2.5 indicators.

Full-Stack Developer Summer Bootcamp, nFactorial Incubator — Almaty, Kazakhstan
Full Stack Developer — *Jun 2022 - Aug 2022*
- nFactorial Incubator is the largest tech Bootcamp **in Central Asia led by Princeton U graduate, FAANG engineers**.
- 10-week fullstack web development bootcamp program with **4.4% acceptance rate** (181 out of 4071).
- Attended daily lectures and learned about how to build the website with React.js and how to write the Backend in JS, Node.js

LEADERSHIP AND AWARDS

Google Developer Student Club — *Aug 2022 - Jun 2023*
- Selected by Google Committee as a **Lead** of the Google Developer Student Club at SU
- Organized of events involving more than **300** participants.
- Selected one of the best executives in Central Asia, receiving the award for a trip to **Amsterdam Google I/O**

Member of the Academic Council of the Department of Software Engineering — *Jan 2022 - Present*
- 3rd Place in the Almaty Ecology Tech Challenge, (3 out of 80)
- Participant of **ICPC Northern Eurasia Finals 2023**
- Nazarbayev Foundation Scholarship 2023, Yessenov Foundation Scholarship 2024
- UNT 129/140 (physics, math), IELTS 5.5

TECHNICAL SKILLS

Languages: Python, SQL (Postgres), JavaScript
Frameworks: React, Node.js, PySpark
Developer Tools: Git, VS Code, PyCharm, IntelliJ, Airflow, Hadoop
Libraries: pandas, NumPy, Matplotlib, Plotly