Nurbek Khalmatay

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SUMMARY

Computer Science student in the final year of study, with 1+ year of T-shaped experience as a Data Scientist, Software Developer and including leading the Google Developer Student Club and serving as CEO in hackathons. Focused on using data to solve problems and drive innovative solutions. Seeking a role as a developer analyst to leverage analytical and software engineering skills.

EDUCATION

Satbayev University — Almaty, Kazakhstan
Bachelor of Computer Science GPA: 3.87/4.00 — Sep. 2021 - Jun 2025
- **Relevant coursework:** Linear Algebra, Calculus, Probability Theory, Mathematical Statistics, Algorithms and data structures, Databases, Data Analysis, Machine learning

La Sapienza — Rome, Italy
Recipient of a full scholarship from Erasmus+ — Sep. 2024 - Feb 2025

EXPERIENCE

Data Scientist Intern — Almaty, Kazakhstan
Veon, Fintech team | Python, PySpark, Hadoop — Jul. 2023 - Dec. 2023
- Increased the speed of calculating web dashboards on Airflow by **20%** by developing and replacing Astellia source with Deep packet inspection (DPI), processing **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

Research Fellow & Software Engineer — Almaty, Kazakhstan
Spark Lab, Indrive | Python, NumPy, pandas, Plotly — Jan. 2023 - May 2023
- 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 — Almaty, Kazakhstan
Full-Stack Developer Summer Bootcamp, nFactorial Incubator — 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, FastAPI
Developer Tools: Git, VS Code, PyCharm, IntelliJ, Airflow, Hadoop
Libraries: pandas, NumPy, Matplotlib, Plotly