

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 software engineer to leverage analytical and software engineering skills.

EDUCATION

Satbayev University

Bachelor of Computer Science GPA: 3.87/4.00

Almaty, Kazakhstan

Sep. 2021 - Jun 2025

- **Relevant coursework:** Linear Algebra, Calculus, Probability Theory, Mathematical Statistics, Algorithms and data structures, Databases, Data Analysis, Machine learning

La Sapienza

Recipient of a full scholarship from Erasmus+

Rome, Italy

Sep. 2024 - Feb 2025

EXPERIENCE

Data Scientist Intern

Veon, Fintech team | Python, PySpark, Hadoop

Almaty, Kazakhstan

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

Spark Lab, Indrive | Python, NumPy, pandas, Plotly

Almaty, Kazakhstan

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

Full-Stack Developer Summer Bootcamp, nFactorial Incubator

Almaty, Kazakhstan

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 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