

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

EXPERIENCE

Veon

Almaty, Kazakhstan

Data Scientist Intern, Fintech team

Jul 2023 - Dec 2023

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|--------|---------|--------|
| 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

Research Fellow, 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

- | | | | |
|----|-------|---------|---------|
| Js | React | Express | MongoDB |
|----|-------|---------|---------|
- 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

Jun 2022 - Aug 2022

- 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

- Participant of **Northern Eurasia Finals 2023**
- Winner Yessenov Launch Pad 2023
- Nazarbayev Foundation Scholarship 2023
- UNT 129/140 (physics, math)

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