



# Zhanabek Tuleshov

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**Gender:** Male **Date of birth:** 01/03/2001 **Nationality:** Kazakhstani

## ABOUT ME

As a student majoring in Computer Science, I've cultivated a diverse range of interests, with a special focus on Machine Learning and Data Analysis. The dynamic landscape of innovative technologies deeply fascinates me, inspiring a strong desire to actively contribute and be an integral part of these advancements. My overarching goal is to leverage my knowledge and expertise to make meaningful contributions that enhance the quality of life and well-being for individuals.

## WORK EXPERIENCE

[ 01/02/2024 – 01/06/2024 ]

### University research technician

*Institute of Smart Systems and Artificial Intelligence*

**City:** Astana | **Country:** Kazakhstan

- review the technical papers assigned by the supervisor
- train a byte level BPE tokenizer based on the Kazakh dataset with 50K tokens
- modified the token vocabulary and the embeddings of the existing model mGPT-1.3B to include the absent tokens from the Kazakh tokenizer

[ 01/12/2023 – 01/06/2024 ]

### IT researcher

*Agency of Financial Monitoring of the Republic of Kazakhstan*

**City:** Astana | **Country:** Kazakhstan

- attend general training on fraud and financial crime
- work with regular expressions to match messages with keyword and its variations
- write scripts that automate the process of assigning the messages to classes to later train the model to classify messages in chats of special interest

## EDUCATION AND TRAINING

[ 01/08/2020 – 15/06/2024 ]

### Bachelor of Science in Computer Science

*Nazarbayev University* <https://nu.edu.kz/>

**City:** Astana | **Country:** Kazakhstan | **Final grade:** 3.62/4.00

[ 01/08/2020 – 15/06/2024 ]

### Minor in Mathematics

*Nazarbayev University* [nu.edu.kz](https://nu.edu.kz/)

**City:** Atyrau | **Country:** Kazakhstan

## LANGUAGE SKILLS

**Mother tongue(s):** Kazakh

## Other language(s):

### Russian

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

### English

LISTENING C2 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

### German

LISTENING A1 READING A1 WRITING A1

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## DIGITAL SKILLS

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### My Digital Skills

Google Drive | Python visualization libraries (Matplotlib & Seaborn) | Python, Scikit-Learn, Numpy, Matplotlib | C / C++, Python, Java, HTML, SQL | Linux / Terminal | Version Control System (Git) | Pytorch, Tensorflow | Microsoft Powerpoint | Microsoft Excel | Microsoft Word | Zoom

## PROJECTS

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[ 01/09/2023 – 01/05/2024 ]

### Parking Space Detection System with Edge Computing

The system exploits a model to classify whether the parking slot is occupied on an edge device constrained in terms of computational power and memory capacity. The device has connection to the internet through which users can get the photos of the parking lot with cars identified with either occupied or unoccupied.

## HONOURS AND AWARDS

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[ 12/09/2021 ]

### Dean's list Awarding institution: Nazarbayev University

Dean's list is awarded to Zhanabek Tuleshov in Recognition of Outstanding Academic Performance Spring Semester 2021.