



Yerkezhan Abdullayeva

Data Analyst



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Portfolio



Github



LinkedIn

Machine Learning Engineer and NLP Data Analyst with expertise in conversational agents, AI applications, and natural language processing, holding a Master of Science in Cognitive Systems from the University of Potsdam and relevant work experience

AREAS OF EXPERTISE

Machine Learning Natural Language Processing Python Data Analysis

Cloud computing: AWS SQL Data Engineering: Kafka Generative AI

REST API: Flask Data visualization Transformer models Deep Learning

WORK EXPERIENCE

NLP Data Analyst : Working student

04/2022 - 08/2023

UNICEPTA Corporate Intelligence
Berlin, Germany

- Developed data mining and machine learning modules for named entity recognition (NER), event extraction, and relationship extraction from unstructured texts.
- Me and my supervisor as team of 2 people replaced a department with a model.
- Enhanced NLP frameworks and libraries, improving accuracy and efficiency in text processing tasks .

Data Analyst: Internship

09/2021 - 02/2022

inDrive
Almaty, Kazakhstan (Remote)

- Data Collection and Preprocessing: built datasets for analysis from various sources
- Sentiment Analysis: Implementing NLP techniques to assess customer sentiments

EDUCATION

Master of Science in Cognitive Systems

Universität Potsdam
10/2020 - 11/2024

Bachelor of Arts in Computational Linguistics

Al-Farabi Kazakh National University
09/2016 - 06/2020

PROJECTS

Master Thesis in Generative AI with a publication. [DOI Link](#)

09/2023- 09/2024

Topic: Assessment of Map Navigation and Spatial Reasoning Abilities of Large Language Models

- Developed five Python-based map traversal games to assess the spatial reasoning capabilities of large language models . Tested 15 LLMs (GPT-4, Llama-3, Claude-3) through API calls. Results were published on peer-reviewed conference paper.

More Projects on my [Portfolio](#):

- Environmental Agenda Detection
- Computer Vision +NLP
- Chat Bot for Charity project on AWS
- And more

REFERENCES

Prof. Dr. David Schlangen

University of Potsdam
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Thiago De Sousa Silveira

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CERTIFICATES

- AWS: Cloud Practitioner
- Principles of Computing (Part 1 and 2): Coursera
- German and English language proficiency