Yermagambet Rasul

Male, 23 years, born on 22 June 1999

+7 (747) 1714872 — https://github.com/rassylya/CV
rasul.yermagambet@gmail.com — preferred means of communication
LinkedIn: https://www.linkedin.com/in/r-yermagambet/
Github: https://github.com/rassylya/CV

Work experience

February 2022 — till now

Nazarbayev University

Astana, www.nu.edu.kz

Research assistant

• Developed multi-modal tactile sensor using hall effect sensor and accelerometer with data transfer rate of 500 Hz and 2 kHz respectively
• Created environment for control and communication of sensors, Schunk gripper, UR-10 manipulator using ROS, C++, Python in Linux
• Filtered data from event based camera using Python (NumPy)
• Analyzed and filtered data from magnetic sensors using Python (Pandas, NumPy, Matplotib)
• Built regression models to calibrate magnetic sensors using Python's scikit-learn

May 2022 — July 2022

Kazakhstan Aviation Industry

www.kai.aero

Software Developer

• Developed a full-stack web application for aircraft maintenance planning workflow and data management using Flask and Bootstrap
• Created dynamic CRUD tables using PostgreSQL psycopg2 and dataTables bootstrap
• Deployed the app to Heroku

November 2020 — June 2021

Kazakhstan Aviation Industry

Maintenance Engineer

• Developed an automated system for controlling accounting and aircraft maintenance planning in the organization, and was **awarded a certificate of merit from the company's CEO**
• Led team of aircraft technicians

Education

2023

Nazarbayev University, Astana

Robotics Engineering, Masters of Science in Robotics

2021

Nazarbayev University, Astana

Mechanical and Aerospace Engineering, Bachelor in Mechanical Engineering

Projects

ERP-based BCI classification. Developed weighted ensemble machine learning models for the classification of ERP-based BCI data using two different algorithms: LDA-SVC-kNN and LDA-LSVC-LR. These models achieved an

F-score of more than 90 on two different datasets. I also visualized and filtered the data using the MNE library. The models were trained and evaluated using the scikit-learn and seaborn Python libraries.
Repo:https://github.com/rassylya/bci_ensemble

Epileptic Seizure Recognition. Built and compared CNN, LSTM and CNN-LSTM deep learning models for classification of patients with epileptic seizure using Keras. Repo:https://github.com/rassylya/epilepcy_recognition

Web Parser GUI. Built a parser with a desktop GUI that parses websites and creates text documents from them. This was part of a larger project aimed at delivering data to deaf-blind individuals. Repo:https://github.com/rassylya/hapticom_parser

Action Recognition in Video. Trained UCF-Sports and Weizmann video datasets on 2D residual CNN models (ResNet and ResNeXt) with application of Temporary Shift Module (TSM). Repo: https://github.com/rassylya/cv_project

Certificates

2022 **NDG Linux Unhatched**
Cisco Networking Academy, Linux

2021 **Introduction to Cloud Development with HTML, CSS, and JavaScript**
Verification: https://courses.edx.org/certificates/cfb8bc423e624629a33f917ee73acc4d

Machine Learning for Data Science and Analytics
Verification: https://courses.edx.org/certificates/d70679112468486e88359a3ba2d57736

Analyzing Data with Python

2020 Verification: https://courses.edx.org/certificates/9cc4a778faf7436d94f5693a476c48bd

Machine Learning for Data Science and Analytics
Verification: https://www.coursera.org/account/accomplishments/verify/WP27XN8S2B8L

Key skills

Languages
Kazakh — Native
English — C1 — Advanced
Russian — C2 — Proficiency
Turkish — A2 — Elementary

Skills
Python Keras Pandas Numpy Sci-Kit Learn Docker C++ C SQL Linux Flask Matplotlib Git PostgreSQL Java Bootstrap

Additional information

Recommendations
Kazakhstan Aviation Industry
Daniyar Amangildin (CEO)