
Yermagambet Rasul

Male, 23 years, born on 22 June 1999

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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, Matplotlib)
- Built regression models to calibrate magnetic sensors using Python's scikit-learn
- Data collection

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

www.kai.aero

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

Master

2023

Nazarbayev University, Astana

Robotics Engineering, Robotics

2021

Nazarbayev University, Astana

Mechanical and Aerospace Engineering, Mechanical Engineering

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 – Certificate of Merit Daniyar Amangildin (CEO)
About me	https://www.linkedin.com/in/r-yermagambet/