Andrey Yershov

Nur-Sultan, Kazakhstan
+77079032130, github
andrey.yershov@nu.edu.kz

EDUCATION

Nazarbayev University, Nur-Sultan
B.Sc. in Robotics and Mechatronics

August 2016 – Expected June 2021

- cGPA 3.54 out of 4.0 (January 2021).
- Dean's list Spring 2019.
- Nazarbayev University educational grant.

Kazakh-Turkish High School, Aktau

September 2011 – May 2016

- cGPA 5.0 out of 5.0.
- Distinction - Altyn Belgi.
- Silver and Bronze medals at National Biology Olympiad.

WORK EXPERIENCE

Research Assistant at Nazarbayev University, Nur-Sultan

May 2019 – Current

- Applied machine learning with PyTorch for computer vision project with Prof. Sandygulova: child action recognition based on spatiotemporal and body points data. Achieved 94.44% accuracy.
- Worked on building reinforcement learning setup with Prof. Kappassov. SolidWorks CAD and Ultimaker 3D printing of the parts.

Technical Manager at Eduvation.kz, Nur-Sultan

September 2019 – October 2020

Managed technical issues at EdTech startup for online delivery of education. MacOS/PC, network router, media equipment maintenance.

Freelance photographer, Portfolio

February 2016 – Current

Worked with National Geographic, Forbes Kazakhstan, Nazarbayev University, Abu-Dhabi Plaza, BI Group on digital content creation.

Sys. Administrator at Kazakh-Turkish High School, Aktau

October 2015 – May 2016

Maintained and troubleshot teachers' PCs and office equipment.

Freelance electronics repair

May 2014 – Current

Repaired laptops, mobile phones, audio/video electronic equipment.

SKILLS

- **Python** (PyTorch, OpenCV)
- **MATLAB** (Simulink, Image Processing, Control Design)
- **C**/C++, ROS coding (Gazebo, RVIZ, OpenAI gym, NAO robot)
- **Computer hardw.** architecture, Ubuntu/Linux (bash, git, VM)
- FPGA, Arduino (microcontrol.)
- CAD (Solidworks, Fusion 360)
- 3D printing (Cura, Ultimaker)

CERTIFICATIONS

- IELTS 8.0 – 2020
- Machine Learning Winter School - Innopolis 2020
- Machine Learning w/ TF Spec. – Coursera 2020
- QWANT Software Engineering School – 2020
- FAA sUAS Pilot - 2020
- Microsoft Comp. Netw. – 2019
- Cisco Cert. Technician - 2016

LANGUAGES

- Russian - native
- English - C1
- Kazakh - C1
- Turkish - B1
- German - A1
- Mandarin - A1