

Bolat Tleubayev

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[website](#), [linkedin](#), [github](#), [scholar](#)
python, matlab, swift, flutter

Education

Katholieke Universiteit Leuven, MSc in Artificial Intelligence

September 2020 - July 2021

- Graduated with Cum laude 69.25%
- Thesis: Deep-learning of 3D facial shape from 2D images

Nazarbayev University, BSc in Robotics and Mechatronics

August 2015 - May 2019

- Graduated with GPA 3.37 (out of 4.00)
- Thesis: CoWriting Kazakh

Experience

Research and teaching assistant, Nazarbayev University

August 2019 - December 2020

- Produced scientific papers on diagnosis and therapy of ASD, ADHD, and dysgraphia.
- Developed software for research of dysgraphia in collaboration with EPFL CHILI Lab.
- Conducted robot-assisted sessions for children suffering from severe ASD and ADHD.
- Supervised and prepared laboratory works for Signals and Sensing with Lab course.

Intern at computer vision department, KazAeroSpace LLP

February 2019 - April 2019

- Consulted engineers on sensors for unmanned aerial vehicles for geomagnetic scanning.
- Initiated incorporation of computer vision techniques to existing surveillance products.
- Initiated development of automated satellite images labelling software.

Leadership and Awards

Team leader, Delaware Student Game

March 2021

Managed and represented a team of artificial intelligence program students on the case competition Delaware Student Game by delaware BeLux. Our team won the third place with proposed industrial applications of computer vision and augmented reality technologies.

Presenter, International Conference on Human-Robot Interaction 2020

March 2020

Won the best demo award on the ACM/IEEE International Conference on Human-Robot Interaction 2020 for video presentation "CoWriting Kazakh: Learning a New Script with a Robot - Demonstration".

Presenter, International Conference on Robotics Technologies

March 2019

Won the best presentation award on the International Conference on Robotics Technologies in Beijing, China for presentation "Robot-Assisted Therapy for Children with ADHD and ASD".

Forum participant, discussion group leader, International Youth Forum

August 2018

Selected by The National Council of Youth Organisations in Korea as one of the participants of "The 29th International Youth Forum" dedicated to the fourth industrial revolution. Mediated and led "Big Data and Artificial Intelligence" discussion group and presented resulting multidisciplinary evaluation of the topic.

Selected publications

Asselborn, T., Johal, W., Tleubayev, B., Zhaxenova, Z., Dillenbourg, P., McBride, C. and Sandygulova, A., 2021. [The transferability of handwriting skills: from the Cyrillic to the Latin alphabet](#). Nature partner journal: science of learning, 6(1), pp.1-11.

Sandygulova, A., Johal, W., Zhaxenova, Z., Tleubayev, B., Zhanatkyzy, A., Turarova, A., Telisheva, Z., CohenMiller, A., Asselborn, T. and Dillenbourg, P., 2020, March. [CoWriting Kazakh: learning a new script with a robot](#). In Proceedings of the 2020 ACM/IEEE International Conference on Human-Robot Interaction (pp. 113-120).

Tleubayev, B., Zhaxenova, Z., Zhakenova, A. and Sandygulova, A., 2019, March. [Robot-assisted therapy for children with ADHD and ASD: a pilot study](#). In Proceedings of the 2019 2nd International Conference on Service Robotics Technologies (pp. 58-62).