

Muhammetmyrat Yarmatov

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EDUCATION

- **Ulsan National Institute of Science and Technology (UNIST)** Ulsan, South Korea
Bachelor's Degree in Electrical and Computer Engineering August 2017 - August 2021(Exp)
 - **First Major:** Electrical Engineering
 - **Second Major:** Computer Science and Engineering
 - **UNIST Global Dream Scholarship:** Free tuition fee + monthly stipend.
 - **GPA:** 3.69 (92.9%)

EXPERIENCE

- **Research Assistant** Ulsan, South Korea
"AI, Robotics, and Transportation" Lab, UNIST October 2020 - Present
 - Research: Autonomous vehicles and traffic management.
 - Projects: Fault detection for autonomous vehicles. Detecting full attributes of partially occluded cars.
- **Teaching Assistant** Ulsan, South Korea
"Artificial Intelligence Programming" courses, UNIST September 2019 - Present
 - Assisting professor during the classes, and grading exam papers
 - Teaching concepts that students struggle with, and organizing weekly problem-solving sessions
- **Summer Research Intern** Hong Kong
"Robotics, Perception, and AI" lab, The Chinese University of Hong Kong June 2019 - August 2019
 - Research: Robotic perception, prediction, and decision making
 - Project: Airport service robots that collect and distribute passenger trolleys autonomously
- **Undergraduate Research Intern** Ulsan, South Korea
"Advanced Information Systems" lab, UNIST October 2019 - February 2020
 - Research: Learning-based intelligent systems. Deep reinforcement learning in robotics
 - Project: Autonomous drones that help people in rural areas, disaster scene, etc. (e.g. providing internet)

HONORS & AWARDS

- **NAVER-UNIST Undergraduate Research Poster Award:** Finalist
- **Google Developers Group:** Speaker in the "Age of AI" sessions
- **Certificate of Excellence from UNIST:** English Public Speaking
- **National Physics Olympiad 2017:** Absolute winner (Gold medal)
- **National Physics Olympiad 2016:** Absolute winner (Gold medal)
- **47th International Physics Olympiad (Zurich, Switzerland; Liechtenstein):** National representative
- **48th International Physics Olympiad (Yogyakarta, Indonesia):** National representative
- **18th Asian Physics Olympiad (Yakutsk, Russia):** National representative

SKILLS

- **Programming languages:** Python, C/C++, Java, MATLAB
- **Software:** PyTorch, TensorFlow, Keras, OpenCV, spaCy, Raspberry Pi, etc.
- **Languages:** English(Fluent), Turkish(Fluent), Korean(Basic), Russian(Basic), Turkmen(Native)

PUBLICATIONS AND CONFERENCES

- **Adaptive Mobile Learning in the nearby wisdom app:** International Seminar on Intelligent Technology and Its Application (ISITIA 2018), Bali, Indonesia, IEEE. DOI: 10.1109/ISITIA.2018.8711368, Authors: H. Hermawan, R. Werdani, J. Chu, A. Darmawati, M. Yarmatov.
- **Acceptance of e-commerce in rural level:** 12th Asia-Pacific Productivity Conference (APPC 2018), Seoul, Korea. Authors: H. Hermawan, D. Ismoyo, M. Yarmatov.