

Ulugbek Abdullaev

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Education

Purdue University , West Lafayette, Indiana Master of Science, Electrical and Computer Engineering	Aug 2024-Present
Tashkent State Transport University , Tashkent, Uzbekistan Bachelor's degree Automation and control of technological processes and production	Sep 2019-Jun 2023 GPA: 4.56/5
Academic Lyceum of Bukhara Engineering-Technological Institute , Bukhara High school diploma Exact sciences: mathematics, physics	Sep 2017-May 2019 GPA: 5.0/5

Internships

Uzbekistan Railways , Tashkent, Uzbekistan	Feb 2023-May 2023
<ul style="list-style-type: none">• Worked with a team of engineers to develop and implement control systems for train movements.• Conducted data analyses to identify areas for improvement.• Reported back to instructor to receive day-to-day tasks and responsibilities.• Participated in the calibration and testing of control systems for reliability and safety.	
Uzbekistan Railways , Bukhara, Uzbekistan	Jun 2022-Aug 2022
<ul style="list-style-type: none">• Assisted in the maintenance and troubleshooting of control systems to ensure optimal performance.• Gained hands-on experience with inspecting control devices.• Collaborated with the team to optimize workflow and achieve objectives.• Demonstrated strong problem-solving skills and an ability to adapt to challenging technical issues.	

Exchange Programs

Ball State University , Muncie, IN, USA	Jun 2023-Jul 2023
The U.S.&Uzbekistan Network and International Exchange for Development (UNITED)	
<ul style="list-style-type: none">• This fully funded program, supported by the U.S. Department of State and the U.S. Embassy in Tashkent, included interactive seminars and workshops on civics, government, leadership, and career development.• Aimed at promoting mutual understanding and people-to-people ties between the United States and Uzbekistan, and being dedicated to bettering the lives of the people of Uzbekistan.	

Activities & Extracurriculars

Young Engineers Club , Tashkent State Transport University
<ul style="list-style-type: none">• Engaged in research activities related to automation and control.• Developed and enhanced programming and control system design skills through club activities.• Attended workshops to learn technical skills and tools used in automation and control.
Language Club , Tashkent State Transport University
<ul style="list-style-type: none">• Worked on building a specialized technical vocabulary relevant to engineering.• Practiced delivering technical presentations and reports.• Reviewed articles and research papers to learn how to write a research paper.

Awards & Accomplishments

Exchange Alumnus of the U.S. Embassy in Tashkent.	Aug 2, 2023
Awarded with a certificate for successful completion of the UNITED program.	Jul 6, 2023
Awarded with a 100% scholarship and a monthly stipend (merit-based scholarship)	2019-2023
Winner of the regional Math Olympiad in Bukhara Region	2019
Winner of the regional Math Olympiad in Bukhara Region	2017
Runner-up participant of the regional Math Olympiad in Bukhara Region	2013, 2014, 2015, 2016

Skills & Interests

Problem-solving, Critical thinking, Leadership, Team collaboration, Research, Project management

Technical Skills

Languages: MATLAB, Python, C++

Software: Simulink, Arduino, CAD, Microsoft Office (Word, Excel, PowerPoint, Visio)

Packages/Frameworks: NymPy, Matplotlib, SciPy, Anaconda, Pandas, TuLip, PyTorch

Publications

[*METHODS FOR INCREASING THE CAPACITY OF SORTING PROCESSES ON RAILWAY SORTING HILLS*](#)

Additional scores

Graduate Record Examinations (GRE): 318/340 (167Q, 151V)