

Yokutjon Tohirova

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Professional Experience

GIST (Gwangju Institute of Science and Technology), AI Convergence Department, Data Science Lab

Gwangju, South Korea

Research Intern

June 2026–Present

- Conduct research under Prof. Sundong Kim in the Data Science Lab as part of the Global Intern Program (GIP), working on data-driven analysis and machine learning research.
- Study statistical inference and machine learning foundations to support ongoing lab research projects.
- Collaborate with lab mentor and researchers on structuring and advancing research toward publication.

Center for Creative Photography, University of Arizona

Tucson, AZ

Data Analyst

January 2025–May 2026

- Built backend data workflows using Python and R to structure and index image data for a searchable digital archive.
- Converted and standardized over 1,000 physical archival images into a centralized digital system, ensuring consistent access for staff, students, and researchers.
- Designed metadata standards and automated ingestion pipelines that reduced manual processing and improved search accuracy and retrieval speed.

Ministry of Digital Technologies of the Republic of Uzbekistan

Tashkent, Uzbekistan

Data Analysis Intern

June 2025–August 2025

- Processed and corrected large-scale government energy data with over 1 million uncleaned records, transforming cumulative meter readings into true consumption values and fixing core data logic issues that made analysis unreliable.
- Built an end-to-end analytical workflow from cleaned data through feature engineering and regression-based forecasting, producing a 2025 national energy consumption estimate for internal planning.
- Enabled the Ministry to use previously unusable energy data for evidence-based analysis and forecasting by delivering corrected datasets, models, and clear technical documentation.

Student Engagement and Career Development, University of Arizona

Tucson, AZ

Digital Strategy & Interface Design Intern

March 2024–May 2025

- Defined the digital interaction strategy for a funding access platform serving tribal communities, shaping how users discover, navigate, and understand federal funding opportunities.
- Designed and validated the core user flow and system structure through iterative prototyping, ensuring the platform could scale across diverse user needs and access constraints.
- Embedded AI-based user support into the platform to improve guidance, reduce confusion, and lower the barrier to accessing complex funding information.

Education

University of Arizona

Tucson, AZ

Bachelor of Science in Information Science (emphasis: Data Science, minor in Computer Science)

May 2026

- Honors: Dean's List

Additional Skills

Programming: Python, R, SQL, Java

Data Analysis: Data Cleaning, EDA, Feature Engineering, Regression Modeling, MySQL

Languages: English (Full Professional Proficiency), Russian (Professional Working Proficiency), Uzbek (Native)