

Ismayil Shahaliyev

 shahaliyev.org |  linkedin.com/in/shahaliyev |  github.com/shahaliyev |  Google Scholar

EDUCATION

ADA University <i>PhD Student in Computer Science, School of IT and Engineering</i>	2025 – Present Baku, Azerbaijan
ADA University and George Washington University <i>M.S. in Computer Science and Data Analytics, Cum Laude, dual degree</i>	2020 – 2022 Baku, Azerbaijan; Washington, DC, USA
ADA University <i>B.S. in Computer Sciences, School of IT and Engineering</i>	2016 – 2020 Baku, Azerbaijan
University of Pécs <i>B.S. in Computer Sciences, Erasmus+ Exchange Program</i>	Fall 2018 Pécs, Hungary

EXPERIENCE

ADA University <i>Instructor, School of Information Technologies and Engineering</i>	2023 – Present Baku, Azerbaijan
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Courses taught:

- CSCI 4701: Deep Learning
- SITE 1101: Principles of Information Systems
- ENCE 3503: Data and Information Engineering
- CSCI 2408: Computer Graphics
- CSCI 1202: Programming Principles II
- SITE 4790: Senior Design Project I
- SITE 4890: Senior Design Project II

ADA University <i>Graduate Assistant</i>	2023 Baku, Azerbaijan
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PUBLICATIONS

- **Towards a Unified Benchmarking Pipeline for Satellite Image Restoration.** AICT 2026, under review.
- **The Impact of Mask Severity and Visual Domain on Image Inpainting Reconstructability.** AICT 2026, under review.
- **Representation Space Evaluation of Feature Extractors for Model Transferability in Fine-Grained Recognition.** *Signal, Image and Video Processing*, Springer, accepted.
- **Model Transferability Estimation on Azerbaijani Sign Language.** PCI 2025. DOI: [10.1109/PCI66488.2025.11219701](https://doi.org/10.1109/PCI66488.2025.11219701).
- **Satellite-Based Wildfire Detection in Azerbaijan using Sentinel-2 Imagery and Deep Learning.** IEEE AICT 2025. DOI: [10.1109/AICT67988.2025.11268731](https://doi.org/10.1109/AICT67988.2025.11268731).

PROJECTS

- Building Detection in Satellite Images with Structural Analysis
- Development of Spell Correction System in Azerbaijani Language with Natural Language Processing
- Illegal, Unreported, and Unregulated Fishing Detection in SAR Satellite Imagery with Deep Learning

SKILLS

Technical: Python, PyTorch, Java

Languages: Azerbaijani (native), English (fluent), Russian (advanced), Turkish (good)

MISC

- Participant, [DeepLearn 2025](#), Internation School on Deep Learning, Maia, Portugal.
- International Master (IM) with a Grandmaster (GM) norm (2019). U.S. National Master (NM, 2022). Winner of Nakhchivan Open 2022. Four-time chess champion of Azerbaijan under different age categories.