Seungju Lee

Machine Learning Engineer

Russia / Moscow

CONTACT

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CONFERENCES & PUBLICATIONS

2025

- "Temporal Segment Method in Sign Language Recognition with Pre-trained CNN-LSTM Network" — Modern Information Technologies and IT Education (peer-reviewed journal, accepted for publication)

2024

- "Improving Gesture Recognition Model Using Temporal Segments" — Lomonosov Readings, thesis and presentation
- "Data Augmentation Efficiency for the WLASL Dataset" — ANTOK 2024 Youth Conference, poster presentation, 2nd place

2023

- "Improving Data Augmentation Efficiency for Small Datasets" — Tikhonov Readings, thesis and presentation
- "Comparison of Model Depth in Video Classification of Sign Words on Small Dataset" — Russia–Korea–CIS Science and Technology Conference 2023, thesis and presentation

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EDUCATION

M.Sc. in Applied Models of Artificial Intelligence
HSE University, Moscow (Sep 2025 – Expected Jun 2027)

Lomonosov Moscow State University | 2017-2025
Bachelor's Degree in Computational Mathematics and Cybernetics

- Thesis: Automatic Recognition of Russian Sign Language Words
- Key courses: Machine Learning, Deep Learning, Optimization Methods, Databases, Artificial Intelligence

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EXPERIENCE

Republic of Korea Marine Corps — Signal Corps (Communication Specialist)
Oct 2018 – Jun 2020

- Operated and maintained tactical communication systems.
- Coordinated signal operations across platoon units.
- Completed service with exemplary conduct.

SKILLS

- **Programming Languages:** Python, C++, SQL
- **ML Frameworks:** PyTorch, TensorFlow, scikit-learn
- **Computer Vision & NLP Tools:** OpenCV, Transformers (Hugging Face), MediaPipe
- **Data Processing:** NumPy, pandas, Matplotlib, Seaborn
- **Software Engineering:** Git, Docker, Linux
- **Languages:** Korean (Native), Russian (Fluent), English (Intermediate)