

AZIZBEK KAKHKHAROV | 케빈

AI Research Engineer | Computer Vision

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Github Linkedin Google Scholar

SUMMARY

Graduate researcher specializing in computer vision, deep learning, 3D human pose estimation, and robotics. Experienced in AI model training, fine-tuning, motion analysis, and AI-powered application development. Interested in applying emerging AI technologies to real-world engineering challenges and intelligent automation.

WORK EXPERIENCE

Research Engineer
Mar 2025 – Now

Dong-A University, South Korea

- Developed AI pipelines for 3D human pose estimation and ergonomic risk assessment.
- Fine-tuned state-of-the-art deep learning models for domain-specific applications.
- Conducted motion capture experiments, data processing, and model validation.
- Worked on quadruped robotics, LiDAR mapping, and digital twin technologies.
- Developed AI-powered application.

Architectural Engineer
Sep 2024 - Feb 2025

Castler Architecture Studio, Uzbekistan

- Worked on architectural design, 3D modeling, and visualization.
- Used CAD and 3D design software for architectural projects.

Intern
Mar 2024 - June 2024

Ministry of Construction, Uzbekistan

EDUCATION

Master of Science in Civil Engineering
Mar 2025 – Feb 2027 (Expected)

Dong-A University, South Korea

Bachelor's Degree in Architecture
Sep 2020 – Nov 2024

Tashkent University of Architecture and Civil Engineering

KEY SKILLS

- Computer Vision
- Human Pose Estimation
- Python / PyTorch
- ML / Deep Learning
- AI Model Training
- SOTA Model Research
- Model Evaluation
- AI-Assisted Development
- Web Design
- Mobile App Development
- UI/UX Design
- Claude Code / Codex

PUBLICATIONS AND RESEARCH

Quadruped Robots in Construction Automation: A Comprehensive Review of Applications, Localization, and Site-Level Operations.

Buildings (MDPI), March 2026.

Video-Based Ergonomic Risk Assessment in Construction through 3D Pose Reconstruction and Temporal Motion Analysis

Master's Thesis