Farid Kazimov

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LINKS

Github:// **faridkazimov**
LinkedIn:// **Farid Kazimov**

COURSES

Deep Learning Specialization – Andrew Ng (DeepLearning.AI)
Computer Vision with TensorFlow – DeepLearning.AI

SKILLS

PROGRAMMING AND TOOLS

Python • C++ • TensorFlow• PyTorch • Keras • OpenCV • YOLO • TensorBoard • Git • Google Colab • Roboflow

COMPUTER VISION

Convolutional Neural Networks (CNNs) • Heatmap and Density Map Generation • Image Classification and Segmentation • Object Detection and Counting • Transfer Learning and Fine-Tuning(ResNet, MobileNet, Inception) • Data Augmentation • Visual Interpretation and Model Debugging • Cross-Class Generalization

MACHINE LEARNING AND DEEP LEARNING

Neural Networks (ANN, RNN, LSTM, Transformers) • Anomaly Detection • Feature Engineering (SMOTE, PCA) • Regularization (Dropout, Batch Normalization, L2) • Hyperparameter Tuning • CNN and Transformer Architectures • Model Evaluation: mAP, MAE, RMSE, F1-score, SHAP • End-to-End Deep Learning Pipelines

LANGUAGES

Azerbaijani • Turkish • English

EDUCATION

WROCLAW UNIVERSITY OF SCIENCE AND TECHNOLOGY
MSC APPLIED COMPUTER SCIENCE
Oct 2023 - Jul 2025

KAHRAMANMARAS SÜTCÜ IMAM UNIVERSITY
BSC COMPUTER ENGINEERING
Sep 2017 - Aug 2021

EXPERIENCES

MAVI YESIL YAZILIM AND OTOMASYON – TURKEY | Software Engineer Intern
Jun 2021 – Jul 2021
- Assisted in industrial automation solutions and software validation processes.

KSU IT DEPARTMENT – TURKEY | Network Engineer Intern
Jun 2019 – Jul 2019

- Participated in network setup, troubleshooting, and technical documentation.

PROJECTS

AUTOMATIC ANIMAL AND CROWD COUNTING
Developed a computer vision system using YOLOv8 with heatmap and density maps for counting animals and people in dense environments; validated on datasets including sheep, bees, cows, monkeys, butterflies, and humans.
Keywords / Tools: YOLOv8 • OpenCV • Heatmap and Density Maps • Computer Vision

TRANSFER LEARNING FOR CROWDED ANIMAL DETECTIONS
Applied transfer learning to adapt YOLOv8 models trained on one species (e.g., humans, bees, sheep) to others (e.g., cows, monkeys, butterflies). Cross-class fine-tuning improved generalization and reduced training data requirements for scalable deployment. datasets.
Keywords / Tools: Transfer Learning • Fine-Tuning • Cross-Class Generalization • Domain Adaptation

YOLO VERSION COMPARISON (YOLOV3 -> YOLOV9) (ONGOING)
Benchmarking YOLO models for detecting animals in crowded herds, focusing on accuracy, inference speed, occlusion robustness, and cross-species generalization to identify optimal models for real-world deployment.
Keywords / Tools: YOLOv3–YOLOv8+ • Backbone Comparison • Anchor-Free Detection • Non-Maximum Suppression (NMS) • Inference Speed and Latency • Model Optimization (Quantization, Pruning)