GURAY OZGUR

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RESEARCH FOCUS

Ph.D. researcher in face biometrics at Fraunhofer IGD and TU Darmstadt. My work shows that **face image quality can be read directly out of the internal computation of a pre-trained recognition model**, removing the need for quality labels, dedicated training, or added inference cost. Wider interests: efficient and explainable face recognition, presentation attack detection, and foundation models for biometrics.

EDUCATION

Computer Science, Ph.D. Jul 2024 - Present
TU Darmstadt *Darmstadt, DE*
Robust Face Biometrics; advised by Prof. Dr. Naser Damer

Machine Learning, M.Sc. Sep 2021 - Nov 2023
University of Tübingen *Tübingen, DE*

Mathematics, B.Sc. and **Electrical & Electronics Eng., B.Sc.** 2015 - Jul 2021
Middle East Technical University (ODTÜ); exchange semester at KAIST, KR *Ankara, TR*

EXPERIENCE

Research Scientist Jul 2024 - Present
Fraunhofer IGD *Darmstadt, DE*

Face image quality assessment, efficient and explainable face recognition, presentation attack detection.

Master's Thesis Student Apr 2023 - Oct 2023
Siemens AG *Erlangen, DE*

Hardware-aware neural architecture search for semi-supervised anomaly detection on microcontrollers: a memory-efficient weight-sharing NAS pipeline with model-based predictors, deployed to STM32L4+.

Working Student, Electronics Engineer Jun 2022 - Mar 2023
Neura Robotics GmbH - MAiRA and MiPA collaborative robot arms *Metzingen, DE*

Machine Learning Intern Feb 2021 - Apr 2021
Kuartis Technology and Consulting - acoustic anomaly detection (VAEs, GANs, MFCC, HDBSCAN) *Ankara, TR*

SKILLS

Core Python, PyTorch, C/C++, MATLAB, Git, distributed GPU training, ONNX, Docker, scikit-learn, OpenCV, NumPy/SciPy, pandas, SQL, MLflow, Weights & Biases
Languages Turkish (native), English (C2), German (B2)

AWARDS

Best Paper Award 2026
PreFIQs: Face Image Quality Is What Survives Pruning, CVPR 2026 Workshops. Co-author.

SERVICE AND COMMUNITY

Co-organiser, IJCB 2026 Competition on Adapting Foundation Models for Face Recognition Using Synthetic Training Data. Scoutmaster, World Organization of the Scout Movement. Member, AI Grid Initiative.