Anil Egin

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Education

Bocconi University, BSc in **Computer Science & Artificial Intelligence**   Sep 2021 – 2025
Main Coursework: **Mathematical Analysis and Optimization, Advanced Programming, Statistics, Machine Learning**
Thesis: **Multi-Stage Anonymized Video Synthesis Using GAN-Based Motion Transfer**

Knowledge and Skills

Machine Learning: Deep Learning, Neural Networks, Face & Video Generation, Ensemble Methods, Object Detection
Knowledge: Computer Vision (GAN, Diffusion, ControlNets, StableDiffusion, CLIP), NLP (RAG, Fine-Tuning LLMs)
Skills: Python (Pandas, Scikit-learn, TensorFlow, Keras, PyTorch, OpenCV), Docker, C, R, SQL, PowerBI, QuickSight
Languages: English: Fluent, **Turkish:** Native, **Italian:** Intermediate

Working Experience

INRIA – STARS Team   **Sophia Antipolis, France**
AI Researcher Intern – Computer Vision   Nov 2024–Apr 2025

- Designed a new **GAN-based motion transfer** architecture by implementing new loss functions for accurate eye and lip retargeting along with custom face anonymization with **StableDiffusion** via **ControlNets**.
- **Fine-tuned** a facial landmark detection model to determine precise injection points and techniques for Botox and filler treatments, providing a baseline to assist professionals to achieve optimal outcomes.
- Conducted research on **GAN inversion** to map generated images back to **StyleGAN3** latent space, manipulating a **face identity space** for better understanding and control of facial features preserving background and pose features.

Amazon.it   **Milan, Italy**
Business Intelligence Engineer Internship   Jun 2023–Dec 2023

- Designed GameX WBR by developing **SQL** queries to data cluster, optimizing existing ones that resulted in decrease in run time by >%30.
- Developed **automated Excel reports** and **Quicksight** dashboards using job schedules to track KPIs
- Created an **ML pipeline** by implementing **BERTopic** on Amazon.it TrustPilot comments to analyze pain points of customers.
- Designed Pricing Dashboards with competitiveness and coverage metrics and conducted competitor analysis for Portugal

Runibex Technology Group   **Istanbul, Turkiye**
Business Intelligence Internship   Jun 2022–Aug 2022

- Utilized technical skills in SQL, **Analysis Services (SSAS)**, **ETL** and **PowerBI**.
- Created dashboards on PowerBI to monitor cash flow and verify the alignment of on-site purchases.

Main Projects

Head Anonymization with Realistic Vision v5.0 via ControlNets
- Implemented head segmentation and lineart images to provide structured guidance for **ControlNet**
- Integrated **DeepFace** for age, gender, and race extraction to generate attribute-consistent prompts.
- Used RealisticVisionv5.0 weights for inpainting and validated anonymization using a cosine distance threshold of 0.6

Face Generation using VAE and GANs
- Developed a Variational Autoencoder (**VAE**) to learn and represent latent features of facial images
- Implemented a Generative Adversarial Network (**GAN**) with varying settings to generate facial images.
- Trained both models on the CelebA dataset, improving the quality of generated images.
- Compared the performance of VAE and GAN, analyzing the quality and diversity of generated faces.