Serife Damla Konur

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Experience

Brainlab AG November 2023 – February 2025
Working Student *Munich, Germany*
- Created analysis dashboards for customers using mainly Python Dash and scikit-learn.

Fast AI Movies March 2024 – October 2024
NLP Engineer *Munich, Germany*
- Fine-tuning LLMs for text generation, advanced prompting, and data collation to enhance accuracy and efficiency in educational content creation.
- Created a general framework in Python to ease the LLM usage from training to deployment.

Tradeware Technology August 2022 – October 2023
Software Engineer *Istanbul, Turkey*
- Designed and developed high frequency, multi-threaded trading platforms with low latency using C++.
- Analyzed and implemented FIX, OUCH, ITCH protocols for stock markets.

Reengen May 2022 – July 2022
Data Science Intern *Istanbul, Turkey*
- Data preprocessing, feature extraction, and time series forecasting on electrical energy data.

Artificial Intelligence and Intelligent Systems (AI^{2}S) Laboratory September 2020 – July 2021
Undergraduate Research Fellow *Istanbul, Turkey*
- Funded by Scientific and Technological Research Council of Turkey (TUBITAK).
- The research interests were mainly advancing vision based lane detection algorithms and implementing different controller structures for lateral and longitudinal control of MIT Racecar.

Education

Technical University of Munich October 2023 - Current
MSc. Informatics *Munich, Germany*
- Specialization : Computer Graphics and Vision

Istanbul Technical University 2018 – 2022
BSc. Computer Engineering (Double Major) - Grade: 1.8 *Istanbul, Turkey*
- Thesis : Structuring and Reporting Twitter Posts of Twitter Influencers About Istanbul Stock Market
- Skills : Python, React, MongoDb, Docker, Doccano (Data Labeling), Hugging Face, Natural Language Processing, Deep Learning, Tensorflow

Istanbul Technical University 2016 – 2021
BSc. Control and Automation Engineering - Grade: 1.6 *Istanbul, Turkey*
- Thesis : Vision Based Trajectory Control of the Mini Autonomous Car
- Skills : Python, OpenCV, ROS, Linux, Control System Design

Projects

Generative Model of 3D Heads
- Participated in the practical course: 3D Scanning & Spatial Learning. Trained an auto-decoder to learn the latent distribution of human heads using Cafca Dataset. The learned prior is used for 3D head reconstruction from a few input images by using **Python**, **Pytorch**, **3D Gaussian Splatting**.

Bundle Adjustment
- Participated in 3D Scanning & Motion Capture course. Implemented a structure from motion pipeline from scratch by using **C++**, **Eigen**, **Ceres**.

Technical Skills

Languages: C/C++, Python, Java, Sql
Frameworks and Libraries:Pytorch, Tensorflow, OpenCV, Eigen, Ceres, Pthread, Gtest, Pytest, Flask
Skills: Deep Learning, Computer Vision, Linux, CMake, Multi-Threading, Bash-Scripting, Git, Jenkins, Docker, Azure, Agile Methodology