ORHAN EKINCI

DEEP LEARNING ENGINEER

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ABOUT ME

As an engineer with international experience, I specialize in developing AI-driven solutions. From serverless architectures to computer vision applications in quality control and automating workflows with LLMs, I have delivered diverse and impactful projects. Proficient in cutting-edge technologies like Computer Vision, Generative AI (LLMs), Prompt Engineering, LangChain, Cloud and Docker, I bring a hands-on approach to innovation. Leveraging experience from product development and competitive projects, I focus on solving complex challenges and creating solutions that seamlessly connect technology with real-world applications.

SKILLS

PYTHON

JAVA (BEGINNER)

CLOUD (GCP/AWS)

DOCKER

LINUX

COMPUTER VISION

GENERATIVE AI - LLMs

LANGCHAIN

PROMPT ENGINEERING

AGENTS

CURSOR - WINDSURF - CLAUDE CODE

EDUCATION

2019-2024 **BSC MECHANICAL ENGINEERING**
MARMARA UNIVERSITY
GPA 3.22

2021-2022 **MASCHINENBAU (ERASMUS)**
FACHHOCHSCHULE SÜDWESTFALEN
DEUTSCHLAND

EXPERIENCE

01.25 - Present **AI ENGINEER**
FREELANCE

Designed and developed AI-powered chatbots capable of real-time voice and video conversations, enabling more natural and human-like interactions. Built interactive avatars and personalized avatar videos for businesses to enhance customer engagement and deliver tailored user experiences. Leveraged low-code/no-code platforms such as n8n to create agents and workflow automations, integrating them seamlessly with existing systems to streamline operations and reduce manual effort.

- LLMs, Generative AI, Interactive Avatars, n8n, Langchain, Cloud, Docker

09.23 - 12.24 **GENAI ENGINEER**
KASHENY CLUB & MENTOR - MOBILE APPS

Kasheny Club and Mentor are mobile applications designed to strengthen users' relationships. Built on a Serverless Application architecture using Firebase Functions, these projects analyzed user-provided responses with commercial LLMs to identify positive and negative aspects of relationships, generating AI-driven insights, recommendations, and warnings.

- Both projects utilized modern techniques such as Commerical LLMs, Prompt Engineering, Langchain, Agents and Cloud.

02.24 - 06.24 **TEXVISAI - PoC PRODUCT**
MADOSA TEKSTIL

This project addressed the critical role of quality control in the industry by developing an AI-powered solution for detecting defects in woven fabric production. Leveraging Computer Vision techniques such as Anomaly Detection (Unsupervised Learning), the project aimed to automatically detect defects in fabrics. It successfully reached the PoC stage with promising results.

- Throughout the project, skills in Computer Vision, Anomaly Detection, custom dataset creation, model training and evaluation, WandB, hardware and camera choices, deploying models on hardware, Docker, and Linux were actively utilized and enhanced.

COURSES

PRACTICAL MULTI AI AGENTS AND ADVANCED USE CASES WITH CREWAI

BUILDING GENERATIVE AI APPLICATIONS WITH GRADIO

MULTI AI AGENT SYSTEMS WITH CREWAI

AI AGENTS IN LANGGRAPH

GENERATIVE AI FOR EVERYONE

SAFE AND RELIABLE AI VİA GUARDRAILS

GENERATIVE AI WİTH LLMS

FUNCTIONS, TOOLS AND AGENTS WITH LANGCHAIN

LANGCHAIN FOR LLM APPLICATION DEVELOPMENT

BUILDING SYSTEMS WITH THE CHATGPT API

CHATGPT PROMPT ENGINEERING FOR DEVELOPERS

ALL COURSES TAKEN FROM DEEPLEARNING.AI

PROJECTS

AYGAZ COMPUTER VISION BOOTCAMP 2024

TEKNOFEST ARTIFICIAL INTELLIGENCE IN AVIATION 2021 COMPETITION PARTICIPATION

SMARTIQ COMPUTER VISION COMPETITION 2021 WINNER

HOBBIES

SIMRACING

MOTORSPORTS

CAMPING

LANGUAGES

GERMAN - INTERMEDIATE

ENGLISH - INTERMEDİATE
(ITEP SCORE - 3.4)

REFERENCES

Bülent Siyah Deep Learning Engineer
at SOFTTECH

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bulentsofttech@gmail.com

04.23 - 08.23

AUTO ORDER - MVP PRODUCT E-COMMERCE COMPANIES

Freelance

In this project, a solution was developed to automate the process of entering orders received from platforms like Instagram and WhatsApp, using Named Entity Recognition (NER) and LLMs, instead of manual entry. In the MVP phase, information such as names, addresses, and phone numbers were extracted from messages, and automated orders were created using Selenium, thus improving operational efficiency. Additionally, a PoC chatbot was developed to answer customer inquiries and take orders.

- Throughout the project, technologies such as LLMs, Langchain Functions and Agents, Selenium, Docker, Cloud were utilized.

09.22 - 02.23

ENGINEERING INTERN KNOOP BESCHICHTUNGEN

During my internship, I worked on the use of artificial intelligence in quality control processes at a company providing painting services to the automotive and machinery industries. I participated as an intern in a project focused on defect detection for parts painted by robots, using Anomaly Detection (Unsupervised Learning) techniques from Computer Vision.

- Throughout this process, I gained valuable skills in dataset preparation, model training and evaluation, understanding model metrics, making hardware and camera choices, and deploying models on hardware.

10.10 - 03.21

SMARTIQ COMPUTER VİSİON COMPETİTİON – WİNNER

Achieved 1st place in the SmartIQ Computer Vision Competition by developing an object detection system using YOLO algorithms to identify car brand, model, and year from images. Contributed to the entire ML pipeline, including dataset preparation, model training, performance evaluation, and optimization. This project strengthened expertise in computer vision, deep learning models, and model metrics assessment.

- Technologies: YOLO, Computer Vision, Deep Learning, Python

09.17-11.21

TOSFED - MARSHALL / STAGE TEAM

Served as marshall and observer at the Turkish Automobile Sports Federation for more than 4 years, ensuring the organization's safety and being responsible for delivering DNF cars.

- World Rally Championship Rally Turkey 2018
- World Rally Championship Rally Turkey 2020
- Formula 1 DHL Turkish Grand Prix 2020