



Egemen Gulpinar

Date of birth: 23/04/1998

Nationality: Turkish

Gender: Male

CONTACT

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ABOUT ME

I'm an AI Engineer, Backend Developer, and R&D Team Lead with hands-on experience in designing, managing, and maintaining AI projects. I've led multiple AI projects, built real-time detection systems and complex systems with multiple processes, and set up AI/ML workflows. In addition, I've built automation systems and backend services, I also have experience in creating desktop, cloud, and web apps. In all my work, I'm always looking for ways to include the latest advancements in AI. Beyond my technical roles, I'm an Indie Hacker who loves to think differently and find unique solutions. My belief is that continuous learning is key in the fast-changing world of AI, I like to combine what I've learnt with the ideas I've in my mind. My motto is always "be different".

WORK EXPERIENCE

01/09/2021 – CURRENT Istanbul, Türkiye

AI Engineer, Software Developer, R&D Crew Lead LIVAD Technologies(Hybrid)

Creating project structures, designs, plans & development. Building AI and Automated systems for the company by mainly computer vision, extracting, synthesizing and mathematical analyzing large volumes of data, AR, neural language processing and deep learning developing areas, using the most effective ways and state of art methods. Working with Cloud-based systems and integration

- LIVAD Studio Windows application Lead. Creating all structure and start-to-end development process.
- A Kubernetes microservice for object-specific animation recognition in videos via computer vision ways.
- Utilizing data mining, machine learning, algorithmic and statistical tools for large volumes of data
- Custom deep learning models for detecting specific in-game moments. (**IAB '23 In-Game Gold Award, Brandverse '23 Silver Award**)
- Real-time Unreal Engine 5 meta-human lip-sync & backend communication system.
- Open Broadcast Studio(OBS) Snap AR WebSDK Kit development (livestream AR integration, React App).
- Kubernetes microservice that includes lightweight speech recognition for given video input.
- Real-Time Offline Speech Recognition (NLP) & Toxic Word Classifying System.
- Creating a complex system that includes multi-process algorithms, they connect each other simultaneously in local & cloud.
- Background Sync App start-to-end development, added functionality and created desktop UI with Qt5

Business or Sector Information and communication

01/08/2021 – 01/09/2021 Ankara, Türkiye

Artificial Intelligence Intern, Software Developer The Scientific and Technological Research Council of Turkey (TUBITAK) Space Technologies (On-site)

Researched Image Super-Resolution Using Deep Convolutional Networks, developed different methods and optimizations for SRCNN methodology.

- Sparse Coding Based Super Resolution methods using with Deep Neural Network
- Convolutional Neural Networks for Super Resolution

Business or Sector Professional, scientific and technical activities

01/07/2021 – 01/08/2021 Istanbul, Türkiye

Artificial Intelligence Intern, Software Developer BAYKAR Technologies (On-site)

Researched GNSS Systems, developed and animated China's satellite "BeiDou" position calculation

- Satellite mapping, labelling and matching on World Map
- RINEX Data Converting, Parsing and Reading. Created special library for BeiDou RINEX data.
- Found a new relationship between BeiDou RINEX Data and BeiDou Satellites movements

Business or Sector Professional, scientific and technical activities

01/07/2020 – 01/01/2021 Ankara, Türkiye

Software developer METU Teknokent SFM Software Company [Volunteer Intern, Remote]

Developed for a company as a business dashboard using the Django web framework.

- Python backend development
- Gain experience with Django and REST API's

Business or Sector Information and communication

EDUCATION AND TRAINING

10/08/2017 – 20/05/2021 Mersin, Türkiye

Bachelor of Engineering, Computer Engineering Mersin University

Field of study Computer use , Software and applications development and analysis | **Final grade** 3.40 |

Level in EQF EQF level 6 | **Type of credits** ECTS | **Number of credits** 263

01/09/2021 – 10/02/2022 United Kingdom, United Kingdom

Certificate of Continuing Education Bradford University

Activities and societies: University of Bradford Union of Students

Department Courses: Software Development, Mobile Application Development and Cyber Security

Additional Courses: Academic English Support Course

Field of study Computer use , Software and applications development and analysis | **Final grade** 4.0 | **Level in EQF** EQF level 6 |

Type of credits ECTS | **Number of credits** 30

20/11/2022 Istanbul

BTK Academy Introduction to Deep Learning with Keras

13/07/2021

BTK Academy Python & Tensorflow for Data Science

09/07/2020 Türkiye

DataCamp 20' ML/Reinforcement Learning/Kaggle Workshops Boğaziçi University

LANGUAGE SKILLS

MOTHER TONGUE(S): Turkish

Other language(s):

English

Listening
B2

Reading
B2

Spoken production
B2

Spoken interaction
B2

Writing
B2

German

Listening
A2

Reading
A2

Spoken production
A1

Spoken interaction
A1

Writing
A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

ADDITIONAL INFORMATION

Skills

Main Skills

Programming Languages : Python, MATLAB, SQL, JavaScript, Assembly, Bash

Deep Learning, NLP & Advanced Methods : Keras, Tensorflow, PyTorch, ONNX, C++ accerelation, VOSK, Kaldi

Computer Vision and Image Processing : OpenCV, Satellite Mapping, YOLO(v5/v8/NAS), Object Tracking, OCR

Data Science, Visualization & Statistics : SciPy, Matplotlib, scikit-learn, Seaborn, Pandas, Numpy, MATLAB

API, Web & Data Mining : FastAPI, Docker, Django, Django REST, Flask, Scrapy, Selenium

CI/CD & Cloud : Git, Jenkins, GitHub Actions, Google Cloud, Oracle Cloud, AWS

Database : MySQL, SQLite, MongoDB, Cloud Storage

Secondary Knowledges: VB Script, BAT Script, Linux(server), Assembly, Arduino, C, C++, bash, C#

Project Management Tools : Atlassian Jira, Monday Project Management, Notion

Other Interests & Usage : InnoSetup, Prompt Engineering, ffmpeg, Multiprocess Systems, Google Data Studio, Qt Designer, Qt5,

Hobbies : Generative Art, Generative Music, Writing Articles at Medium, Contributing Open Source Projects,

Adobe(AE,PR,PS), Candidate Entrepreneurship