



## Egemen Gulpinar

**Date of birth:** 23/04/1998

**Nationality:** Turkish

**Gender:** Male

## CONTACT

 Bielefeld, Germany (**Job Search**)

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## ABOUT ME

I'm an AI Engineer, Software Developer, and R&D Crew Lead with hands-on experience in designing, managing, and maintaining 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 the development area. Beyond my technical roles, I gained experience in various fields of Python Development. I am a highly driven individual passionate about learning and 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 Python development & API connections (backend), besides that also computer vision, extracting, synthesizing and mathematical analyzing large volumes of data, AR, deep learning developing areas, using the most effective ways and state of art methods.

- 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.
- Creating web servers & frameworks and connecting each other, working with REST API's, Docker and backend side.
- 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*)
- 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.

- 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

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

### Bachelor's Degree, Computer Science Bradford University

Certificate of Continuing Education

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

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

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

### Django Web Programming Udemy

## LANGUAGE SKILLS

**MOTHER TONGUE(S):** Turkish

**Other language(s):**

English

Listening	Reading	Spoken production	Spoken interaction	Writing
B2	B2	B2	B2	B2

German

Listening	Reading	Spoken production	Spoken interaction	Writing
A2	A2	A1	A1	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), Arduino, C, C++

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

**Other Interests & Usage :** InnoSetup, Celery, ffmpeg, Google Data Studio, Redis, Qt Designer, Qt5

**Hobbies :** Generative Art&Music, Writing Articles at Medium, Contributing Open Source Projects, Adobe(AE,PR,PS)