



## Egemen Gulpinar

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

**Nationality:** Turkish

**Gender:** Male

## CONTACT



Bielefeld, Germany (**Home**)



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[www.medium.com/@egemengulpinar](https://www.medium.com/@egemengulpinar) (**Medium**)

## 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 and 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

15/06/2021 Türkiye

**GYP Candidate Entrepreneur** Turkey T3 Entrepreneur Organization

09/07/2020 Türkiye

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

## 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

## DIGITAL SKILLS

Matlab, GitHub, Actions, GitKraken | Linux (Server) | Monday Project Management Tool | Atlassian (Bitbucket, Confluence, Jira) | Unreal Engine | FFMPEG | Devops: Docker, Jenkins | Platform : AWS Cloud | Google Cloud | Data Science: Machine Learning, Data Analysis, Data Exploration, Data Wrangling, Data Visualization | Databases (MySQL, PostgreSQL, Oracle) | Programming with Python, Node.js, Ruby, Bash, React, Js | API Python frameworks: Flask, FastAPI - Uvicorn | Software Packages (A): Tensorflow, Keras, Qiskit, Pytorch, Pandas | Software Packages (B): Numpy, Scipy, Scikit-learn, Seaborn, Matplotlib | Artificial Intelligence frameworks: Caffe, Darknet, YOLO | Web Development (Python/Django) | C/C++/Python/Assembly | ONNX & ONNX Runtime | Web Data Extraction (Scrapy BeautifulSoup Selenium WebDriver) | Adobe After Effects | Social Media | Adobe Photoshop | Adobe Premier Pro