

Egemen Gulpinar

Date of birth: 23/04/1998 **Gender:** Male **Home:** Istanbul (Türkiye)

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ABOUT ME

I'm a Software Developer with a solid background in project design and management. My experience includes leading AI projects, backend systems, creating features that can detect things in real-time, and handling complex tasks with ease. I've also set up AI/ML operations, built automation systems, and developed apps for desktop, cloud, and web. Through my work, I've learned enough to bring my individual products to life. I'm always looking to use the latest tech to improve my work. In every project, I try to bring something new to the table, combining my technical skills with fresh ideas. I like to think outside the box and make things that stand out. "Be different" is my way of doing things.

SKILLS

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

Deep Learning & Advanced : Keras, Tensorflow, PyTorch, ONNX, C++ acceleration, 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 | basics of Google Cloud, Oracle Cloud, AWS, Azure

Database : MySQL, SQLite, MongoDB, Cloud Storage

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

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

Other Interests & Usage : Generative AI, WebRTC, Large Language Models(LLMs), Celery, ffmpeg, Looker Studio, InnoSetup, Qt5, Unreal Engine

WORK EXPERIENCE

Co-Founder & Lead Software Engineer

MARUL [01/09/2023 - 30/12/2023] [MVP]

Leading the development of a high-potential startup from concept to MVP stage, focusing on backend systems, DevOps, and system architectural design.

- Building authentication system from scratch, CI/CD pipelines, building customized CDN server
- Building Generative AI pipelines to offer a unique feature in the industry.

Software Developer

LIVAD Technologies [01/09/2021 – Current]

Creating project structures, designs, plans & development. Building AI and automated systems for the company by mainly Python development, REST APIs, web development, 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.

- Lead Research & AI Based projects. Creating project structures, design, plans & development.
- LIVAD Studio Windows application Lead (studio.livad.stream)
- Experience in writing unit tests, integration tests and creating project documentations.
- Agile development
- Experience in utilizing advanced GPT and other large language models (LLMs).
- Experience Kubernetes microservice that includes lightweight speech recognition for given video input and recognition specific object(s) animation in video through computer vision ways.
- Creating web servers & frameworks, working with REST API's, Docker images and backend side.
- Utilizing data mining, machine learning, algorithmic and statistical tools for large volumes of data
- Custom deep learning models & systems for detecting specific in-game moments.
- Open Broadcast Studio(OBS) Snap AR WebSDK Kit development (livestream AR integration, WebRTC).
- Real-Time Offline Speech Recognition (NLP) & Toxic Word Classifying System.
- Background Sync App start-to-end development, added functionality and created desktop UI with Qt5

Software Developer Intern

The Scientific and Technological Research Council of Turkey (TUBITAK) Space Technologies

[01/08/2021 – 01/09/2021]

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

Software Developer Intern

BAYKAR Technologies [01/07/2021 – 01/08/2021]

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

Software developer

METU Teknokent SFM Software Company (Volunteer) [01/07/2020 – 01/01/2021]

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

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

Computer Engineer

Asir Digital (Volunteer) [01/06/2020 – 01/01/2021]

- Hewlett Packard Enterprise system course member, learning HPE systems and cloud infrastructure
- Gain experience in communication skills with team members.

EDUCATION AND TRAINING

Bachelor's Degree, Computer Science

Bradford University [01/09/2021 – 10/02/2022]

Country: United Kingdom | Final grade: 4.0 | Type of credits: | ECTS Number of credits: 30

- **Certificates:** Certificate of Continuing Education
- **Activities and societies:** University of Bradford Union of Students
- **Additional Courses:** Academic English Support Course
- **Department Courses:** Software Development, Mobile Application Development and Cyber Security

Bachelor of Engineering, Computer Engineering

Mersin University [10/08/2017 – 20/05/2021]

Country: Türkiye | Final Grade : 3.40 | Type of credits: ECTS | Number of credits: 263

AWARDS

IAB MIXX Awards '23 : In-Game Ads Gold Award Turkey | Europe Finalist (*LIVAD Studio In Game Detection System*)

Brandverse Awards '23 : Silver Award (*LIVAD Studio In Game Detection System*)

LANGUAGE SKILLS

English

B2 Level (CEFR)

German

A2 Level (CEFR)