



Egemen Gulpinar

Nationality: Turkish **Date of birth:** 23/04/1998 **Gender:** Male

✉ **Email address:** egemengulpinar@outlook.com

in **LinkedIn:** www.linkedin.com/in/egemen-gulpinar/

🐙 **GitHub:** www.github.com/egemengulpinar

🌐 **Website:** www.egemengulpinar.com

📍 **Home:** Istanbul (Türkiye)

ABOUT ME

I'm a Software Developer 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 learned with the ideas I've in my mind. My motto is always "be different".

SKILLS

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

Deep Learning, NLP & Advanced Methods : 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, 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

WORK EXPERIENCE

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.

- 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, 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 & systems 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).
- Kubernetes microservice that includes lightweight speech recognition for given video input.
- Real-Time Offline Speech Recognition (NLP) & Toxic Word Classifying System.
- Creating multi-process algorithm systems, connecting each other simultaneously in local & cloud.
- 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]

1. Hewlett Packard Enterprise system course member, learning HPE systems and cloud infrastructure
2. 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

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

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

LANGUAGE SKILLS

English

Professional working proficiency

German

Elementary proficiency