Egemen Gulpinar

Date of birth: 23/04/1998

Nationality: Turkish

Gender: Male

CONTACT

📍 Bielefeld, Germany **(Job Search)**

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👤 www.github.com/egemengulpinar **(GitHub)**

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, 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 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)

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

01/06/2020 – 01/01/2021 Istanbul, Türkiye

Computer scientist Asir Digital (Volunteer)

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

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

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