Akif Emre Capoglu

Portfolio: linkedin.com/in/capogluuu/
Github: github.com/capogluuu

Email: capogluuu@gmail.com
Mobile: +905347723453

EDUCATION

Galatasaray University   Istanbul, Turkey
Bachelor of Technology - Industrial Engineering; GPA: 3.19   *July 2019 - June 2024*
Courses: *Quality Management, Optimization Applications, Artificial Intelligence, Machine Learning*

SKILLS SUMMARY

- **Languages**:   Python, C-Sharp, C++, Html, Sql, Css
- **Frameworks**:   Scikit, NLTK, SpaCy, TensorFlow, Pytorch, Dotnet
- **Tools**:   Docker, GIT, PostgreSQL
- **Platforms**:   Linux, Web, Windows, Azure Devops
- **Soft Skills**:   Leadership, Event Management, Public Speaking, Time Management

EXPERIENCE

Summarify   Hybrid
Natural Language Processing Researcher Engineer (Part-time)   *May 2021 - Oct 2021*

- **General Details**: My job at Summarify company is to develop new datasets in Turkish, to develop Transformer-based emotion, content models, and to research and develop Turkish error correction models.
- **Data Management and Production** : More than +50,000 Turkish model data were produced for Summarify company. 8 interns managed the Turkish data production phase. This process has been improved by producing methods that will increase the usability of tagged data.
- **Models Produced**: Edit distance based error correction model was released as v.0.1. In addition, the random detection algorithm was created as a preprocessing code. A tf-idf based topic finding algorithm was produced. And with the determined optimum default value, it has been made to find and classify the topic in an unsupervised way..Offensive Language Detection model data was generated from scratch. And by training the Bert-based model, the f1 score was 88.7.

Inzva   Remote
Researcher (Part-time)   *Nov 2021 - Present*

- **Inzva**: Established in 2017, inzva is a hacker community based in Istanbul, Turkey. Focused on Algorithm and Artificial Intelligence, we cultivate the talents of Turkish students through a series of events ranging from year-long study groups to camps. (https://inzva.com/)
- **Project**: I continue my research with 2 Phd academicians under the "Machine Learning for Combinatorial Optimization" project.

PROJECTS

- **Increasing the resolution of satellite images**: The competition for increasing the resolution in satellite imagery was organized online by Aquanty, a Canadian-based institution. As a team, we won the 1St prize of $3000 in this competition. Within the scope of the competition, we were able to convert satellite images from 10x resolution to 2.5x resolution.
- **Coronayiyendim.com**: "coronayiyendim.com" is a platform for the benefit of the society without any income expectations. This platform is a platform created by combining technology and social skills. In this project, there was a Natural Language Processing based robot working in the background as technological capabilities. This project managed to be in the top 5 out of 100 projects in the competition organized by TR-Covid19 OAP. My task in this project was to follow-up the process and to make AI robots.

HONORS AND AWARDS

- Aquanty- Increasing The Resolution Of Satellite Images Hackathon - **1st place**
- TR-Covid 19 MAP Corona Hackathon - **5th place**

VOLUNTEER EXPERIENCE

- The Duke of Edinburgh's International Award-Türkiye - **Student Volunteer**
- Compass Project - **Volunteer**

REFERENCES

- Dr. Uzay Çetin (Galatasaray University Computer Science) - **uzay00@gmail.com**
- Dr. Ali Güneş (Co-Founder at Limunis Company) - **aligunes@limunis.com**