Osman Yiğit Uygun

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Skills

Languages: C, C#, Python, JavaScript, React Native, SQL

Technologies & Tools: TensorFlow, Beautiful Soup, Jupyter Notebook, ReactJS, Git, Autodesk Fusion 360

Experience

Google Game & Application Academy, Istanbul Dec 2021 - June 2022

Trainee

- Took Flutter, Project Management by Google, Entrepreneurship courses for 7 months, 400+ hours.
- Participated in the graduation Hackathon at the end of the academy which helped me improve my teamwork, project development and management, and communication skills.
- Graduated with lots of new information that helped me widen my knowledge and motivated me to pursue my career with programming!

Darüşşafaka High School AI Club, Istanbul Sept 2020 - June 2024

AI Learner and Developer

- Got AI lessons such as ML, NLP from a Boğaziçi University's tutor using Python and technologies such as TensorFlow, PyTorch, Jupyter Notebook.
- Developed projects with a team such as voice assistant and garbage detection in containers via drone by using image processing (OpenCV) along with a pre-trained AI model.
- Attended TUM.ai Makeathon, organized by Munich Technical University as a team of four which gave me a chance to meet new people, increase my social and teamwork skills and practice more on AI programming.
- Actively learning and applying AI concepts to widen my knowledge in this field.

Education

İhsan Doğramacı Bilkent University Sept 2024 - June 2028
B.S., Information Systems and Technologies

- Coursework: Discrete and Technical Maths, Fundamentals of IS, Information Technologies, Object Oriented Programming, Analysis and Design, Databases, DSA, Operating Systems, Computer Networks, Backend and Frontend Development

Sabancı University Aug 2022 - Aug 2022
Nanotechnology Summer School

- From theoretical lessons to practical lessons, like conducting experiments about microfabrication or transistors, learned various topics on Nanotechnology from professors, and research associates of Sabancı University.

Darüşşafaka High School Sept 2016 - June 2024
Valedictorian in High School, GPA: 97.03/100

- Activity and Clubs: AI and Machine Learning, Erasmus, Java by IBM, Football Team, E-Sports, Basketball, Trumpeter
- Have been a part of Erasmus Club in 8th grade and had a chance to host our foreign guests from Poland and Germany and do various activities with them.

Project Work

- **Garbage Detection with Drone (2023):** Trained an AI model to detect whether the uploaded image of a container is empty or dirty by using Python, YOLOv3 and OpenCV. Captured images are used for not only detection but also alerting garbage collectors to reduce health issues and pollution. Datasets were created by both manually and using sources like Kaggle. Became 2nd in MEF High School's AI Competition among 50+ schools.
- **Hotel Reservation System (2021):** Used BeautifulSoup4 to scrape a vacation city's hotels from a website and created a hotel reservation system, implementing captcha verification, registration and sign in methods using Python.
- **Side projects and course notes are in GitHub repositories.**

Awards and Certificates

- Google Certified Application Development with Flutter
- Google Certified Technology Entrepreneurship Course
- Google Certified Project Management on Coursera
- IELTS Academic Test Report – IDP Istanbul – 7.0/9.0
- 2nd in Mef High School Artificial Intelligence Competition
- Sabancı University Certified Applied Nanotechnology Summer School