Hasan Talha Çelik

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PROJECTS

Smart Traffic Optimization   **Istanbul, TR**
Graduation Project   *2021-2022*

- Developed a model that performs image processing and object detection with Darknet
- Performed traffic light signaling for various intersections with the traffic density images taken from the simulation program
- Achieved a dynamic traffic model as a result of adaptive timed signaling according to the traffic density on a given road
- Utilized: Python, OpenCV Library, Google Colab, DarkNet, VISSIM

Activity Detection with Accelerometer   **Istanbul, TR**
Project   *2021*

- Developed a system that allows pulling data from a file that includes body positions and acceleration
- Detected movement, walking, running, and climbing stairs activities of the users with an accelerometer data
- Determined the activity by comparing the energies of the obtained signals with the data pool
- Detected the user's current movement by filtering the available data using FFT functions

INTERNSHIP EXPERIENCE

Elkon-Tr   **Istanbul, TR**
Intern as an R&D Engineer   *Jul 2021 – Aug 2021*

- Learned about fully electric and hybrid-powered vessels
- Made a presentation of the products of autonomous charging station manufacturers for electric ships to the R&D team
- Researched the types of ship charging stations and their working mechanisms
- Learned what to consider when preparing an international R&D project and wrote a project report with the help of an experienced engineer

Kalyon PV   **Ankara, TR**
Intern as an Electronic Engineer   *Jan 2021 – Feb 2021*

- Learned about solar panel production
- Checked the electrical panels of the machines in the factory with an experienced technician and learned the functions of the electrical elements in the panel
- Learned how an induction motor works
- Performed simple PLC coding examples and examined the cable connections of the PLC that is actively working in the field

EDUCATION

Gebze Technical University   **Kocaeli, TR**
Electronic Engineering / Bachelor's Degree   *Sept 2022*
GPA: 2.88

SKILLS & INTERESTS

Skills: React Native | HTML | CSS | C | Python | JavaScript | React | Redux | Adobe Illustrator | C++ | Jupyter Notebook | Image Processing | Fast Learner | Critical Thinking

Languages: Turkish *(Native)* | English *(Professional Working Proficiency)* | Germany *(Elementary Proficiency)*

Interests: Web Designing | Image Processing | Photography | Graphic Designing | Swimming | Volunteering Projects