

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

Electronics Engineering / Bachelor's Degree

Jan 2023

GPA: 2.88

SKILLS & INTERESTS

Skills: React | NextJS | React Native | Redux | Firebase | JavaScript | HTML | CSS | SASS | LESS | GIT | Bootstrap | Tailwind CSS | Styled Components | Responsive Design | Figma | Adobe XD | Adobe Photoshop | Adobe Illustrator | C | Python | 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