BERK ALI CAM

CONTACT

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SKILLS

- Robot manipulation & perception with ROS
- Carrying out machine learning tasks with Python
- Full-stack web development using HTML & CSS , Javascript & React , PHP, MySQL
- 3D modelling & finite element analysis with SOLIDWORKS at a basic level

LANGUAGES

- English ●●●●● ○○○○○
- German ●●●● ○○
- Turkish ●●●●● ○○○○○

CERTIFICATES

- TUHH Fishing For Experience Certificate of Participation | 2023
- Student Conference of Mechatronics Certificate of Attendance | 2021

PROJECTS

TUHH Fishing for Experience Programme - toern | 2023

- Built a convolutional neural network from scratch using TensorFlow library & Keras API , that is used to classify a clothing item's condition, based on it's given image
- Integrated the model into web, using TensorFlow.js library

Bsc. Graduation Project - DeMarine | 2021

- Worked in the software side of the project, which involved integrating sonars & thrusters to an underwater vehicle
- Got acquainted with ROS framework
- Enabled the actuation of the thrusters, by via an external command, and by a simple algorithm that utilizes sonars, using various ROS pakcages

PERSONAL STATEMENT

During my undergraduate studies, I have discovered my passion for software engineering and started self-learning the basics from back-end to front-end, which led me to gain valuable experience in the tech industry. Then for my Bachelor's thesis, I had a chance to work on an underwater robot, which was my first hands-on experience. Since then my passion only grew stronger, and I decided to take it a step further and obtain a Master's degree in the robotics field. Currently, I am pursuing a Master's degree in Mechatronics at the Hamburg University of Technology, where I am deepening my knowledge in the interdisciplinary field of robotics, and especially artificial intelligence. My first year of Master's has not only expanded my theoretical understanding but also provided me with hands-on experience in programming, and controlling for robotic systems, with the project-based courses that I have taken. As of right now, I am looking for career opportunities to learn and grow more this exciting field.

WORK EXPERIENCE

Web Developer

WiseSoft Izmir | Jan 2022 - Apr 2022

- Worked as a front & back-end software developer for a company that provides e-commerce website building platform to customers, with an UI where the customers can execute actions.
- Provided more functionality to the UI and to it's design, mainly coding in HTML&CSS , Javascript and PHP.

Intern

Janocschka Izmir | Apr 2021 - May 2021

- Learned about the manufacturing processes of printing cylinders
- Learned about the details of how a CNC machine works also learned about the problems encountered during manufacturing and how to solve them

EDUCATION

Hamburg University of Technology | Hamburg

Msc. Mechatronics | Oct 2022 - Ongoing

Dokuz Eylul University | Izmir

Bsc. Mechanical Engineering | Sep 2015 - Sep 2021

Duisburg - Essen University | Duisburg (Erasmus Exchange Programme)

Bsc. Mechanical Engineering | Oct 2019 - Mar 2020

CONFERENCES

Student Conference on Mechatronics | 2021

- Attendence of the conference presenting a paper entitled "Design and Implementation of a Remote Control System for an Unmanned Underwater Vehicle "