MUSTAFA GOKTURK YANDIM

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Education

Sabanci University   Expected June 2022/ Istanbul, Turkey
    Bachelors in Mechatronics Engineering   IELTS 7.0/9
    Double Major in Computer Science & Engineering   CGPA= 3.07/4
    Minor in Energy

Ted Antalya High School   September 2016 / Antalya, Turkey

Work Experience

YONGATEK   July – September 2020 / Teknopark Istanbul, Turkey
Microelectronics Research & Development Company
- Research & Development project for developing a commercial product that will be used for an Industrial IoT application.
- Communication methods such as Bluetooth Low Energy and SPI are combined with variety of development cards including Nordic BLE Dev. Kit, Orange Pi, Stm32 and E-paper module.
- Using C programming language, an existing driver library that was written for Keil Embedded Studio (Stm32) was modified and implemented to a different platform called SEGGER Embedded studio (Nordic Dev. Kit).
- Python language and BLEAK bluetooth library is used within a Linux based system for cross platform communication.

Sabanci University   January - June 2019 / Istanbul, Turkey
ENS 209, Introduction to Computer Aided Drafting and Solid Modelling
Learning Asistant

- Helped ENS 209 course students on how to use Solidworks software for sketch drawing, creating solid parts using various tools, assembling parts and drawing technical parts from different views.

Sunexpress
Airways Corporation   January -February 2019 / Antalya, Turkey
Internship

- Worked in a Corporate Company and familiarized with office environment.
- Familiarized with aviation sector learning duties of different departments and their procedures.

Projects

Personal Project
IOS Application Development   March – Present 2020
- Currently working on XCode and Swift programming language for mobile application development

Sabancı University / ME 308   February - July 2019/ Istanbul, Turkey
Industrial Control Course Project

- Solved given two problems using Siemens PLC Ladder Programming and Beckhoff Industrial PC.
- Worked with Pneumatic pistons & drivers, relays, PLC Modules and components, Conveyor & chain belts, Inputs such as push buttons and optical/metal sensors.
- Worked in Mechatronics Laboratory with using variety of power and measuring tools.

Sabancı University / PROJ 102   September-December 2017/ Istanbul, Turkey
Project with professors

- Designed & built an autonomous robot combining Arduino and Raspberry Pi microcontrollers with a single camera.
- Worked on Computer Vision (OpenCV), Serial Communication, Time to Collision methods.
- Improved programming, Computer aided Design, research, report writing, project-time management and presentation skills.
- Prepared introduction and Final reports. Poster design placed in top three.

Volunteer Work

Work and Travel Program
    Chula Vista Resort   June-September 2019 / Wisconsin Dells, WI, USA
    Highgate / Split Rock Resort   June-September 2018 / Lake Harmony, PA, USA

- Worked in different jobs such as a Server, Bowling & Fitness Desk attendant, Lifeguard and Housekeeping.
- Worked as a team with variety of people from different countries while discovering their cultures.
- Improved English and interpersonal communication skills.

Civic Involvement Project (CIP)   January- June 2017/ Istanbul, Turkey

- Protected and cured abandoned animals and worked for raising awareness about animal rights.

Skills

Language: Turkish (Native), English (C1 Level - IELTS 7.0/9.0).
Computer:
C++ / C / Python / Swift / Ladder Programming / Linux terminal / Solidworks (CAD-CAE) / Siemens PLC / Beckhoff Industrial PC / MATLAB & Simulink / Arduino / Raspberry Pi / Stm32 / Nordic Nrf52 BLE