Hüseyin MEN
hmen5634@gmail.com
+90 542 315 0724
+46 72 271 8192
linkedin.com/in/hüseyin-men-98761a127/

EDUCATION

- Kaunas University of Technology, Faculty of Mechanical Engineering and Design (11/2020 - 01/2021)
- Mersin University Electrical-Electronic Engineering 2015-2020 (GPA- 3.33/4.00)
- Czestochowa University of Technology (2017-2018 Spring Term - Erasmus)

EXPERIENCE

- **Embedded Software Engineer :** Elonroad AB (01/2022 - Present)
    - **C** Application development for EV CCS Protocol ()
    - **TCP/IP** Programming on Low level applications
    - Python Application Development on Embedded Linux
- **Software and Hardware Engineer :** Grönska Stadsodling AB (01/2021 - 01/2022)
    - Worked at every phase of Hardware and Software Design of Products/Modules.
    - Automated GrowOff Module Core script (Python , Shellscript , DOCKER , Yaml).
    - NodeJS Cloud and UX Development for IOT Units (React , NodeJs)
    - RealTime Module Sensors' data visualization (Grafana, Telegraf, Mqtt, Docker)
- **Software & Automation Engineer :** ANT Engineering (08/2020- 11/2020)
    - LS PLC and HMI Programming (IEC 61131-3 Standard)(XG500 & XP-Builder)
    - 4Axis Aluminum Shaper CNC machine (MXP EtherCAT and QT Desktop APP)
    - CNC Machine Desktop Application with MXP-RAV and C++(QT) implementation
    - Python & TensorFlow FaceMask detection and controlling Door with PLC ModBUS

SKILLS

- **Programming Languages** : **C , C++ , Python** , JS , ASM , Bash Script
- **Operating Systems** : UNIX based systems (Ubuntu/**Linux**) , Windows
- **Tools** : **CMake** , **Meson** , GIT
- **CI/CD** : **Docker** , Gitlab
- **Communication Protocols** : SPI , CAN , I2C , RS485

PROJECTS

- **C/C++**
  - Oscillator and Signal Generator device with Raspberry PI (Custon OS via BuildROOT)
  - Created TCP/IP Communication Layer between STM32 boards.
  - CNC-Servo and EtherCAT IO Controller Desktop application with QT and MXP SoftmotionAPI.

- **Python**
  - Real Time data exchange Application on TCP/IP with GUI(PyQt5).
  - Plate Recognizable Smart Auto Parks (Raspberry Pi).
  - Face Mask Detection project for Malls.
  - PLC GPIO Controller Application over ModBUS.

- **MATLAB**
  - Analyze and Determine Natural Respond of RLC circuit.
  - Created a transfer function of Gyro Sensor using data sheet.
  - Modulation and Demodulation Signals with custom Fourier transform function.
  - Computerized Tomography Software (Projection and Back - Projection on CT images)

- **GITHUB** **:** https://github.com/hmen5656
- **REFERENCES** **:** Will be shared when it's requested