

Education

Bachelor of Engineering - Computer Engineering
Ahi Evran University
GPA: 3.05/4.0

2018 - 2024
Kirsehir, Turkey

Work and Project Experience

C ve Sistem Programlama Dernegi

- Bootcamp

Use of alphanumeric LCD module, 4-bit parallel communication

Push button, matrix keyboard applications.

UART communication, terminal communication with PC, communication applications with GNSS module

I2C communication, 24XX serial EEPROM usage, external RTC module usage applications

SPI communication, SSD1306 based OLED graphic display usage application

Wire Bus protocol, digital thermometer application

ADC, Output Compare, Capture, PWM Application

DMA usage and MODBUS communication

(C, ARM Assembly, Mixed model programming, STM32F407 Discovery Board, STM32F103C8T6 - Blue Pill)

Night Light Control With Voice Recognition

- Project

A voice-activated light switch using Arduino, with a built-in microphone

for audio signal capture and a pretrained model for command recognition "Yes" for on, "No" for off

(Arduino Uno, Speech recognition, Speech to text (STT))

Teknoopak

- Freelance Project — Web Design — Mobile App

(Remote)

Teknoopak is a company that provides ERP software, e-Invoice, digital supports and solutions from production to finance for businesses, in this study, Teknoopak company has worked on both web and mobile software issues.

(HTML, CSS, Javascript, React Native, RestAPI, Node.js, MongoDB, Stripe)

Full Stack Web Developer

- Freelance

Kirsehir, Turkiye

Aug 2020 - May 2022

Working on projects involving local catalog web pages, personal blog sites, and e-commerce applications,

(HTML, CSS, JavaScript, WordPress, WooCommerce)

Tools

Programming:

C / Python

Embedded Software:

ARM Assembly, Architecture of ARM Cortex M3/M4 Processor, Driver Development

GPIO, Interputs, ADC/DAC, Timers, DMA, PWM, I2C, SPI, UART, CAN, MODBUS

Testing - Debugging Tools:

GCC, CMake, GDB, TDD, Unit Testing

Web Development and AI Tools:

HTML, CSS, Tailwind, JavaScript, TypeScript, React

Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn, PyTorch, OpenCV, OpenAI API, Llama 3, Mixtral 8x7B z

CI/CD - Development Environments:

Git, VSCode, Vim, STM32CubeIDE, IAR Embedded Workbench for ARM, Atollic TrueSTUDIO, Keil MDK

Community

Ahi Evran University Cyber Security

Dec 2020 - May 2023