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Denizli, Merkezefendi

Zeki Baklan

Electronics & Communication Engineering

About Me

I graduated from Kocaeli University, Department of Electronics and Communication Engineering. My first project was a robot car control from iOS devices. After this project, I participated in various trainings, hackathons, bootcamps, and events. In the future, I want to improve myself by gaining experience in companies with a large user base and taking part in large-scale projects.

Experience and Skills

- MVVM, Clean Code, iOS Engineering, UI/UX, Architecture, Figma, Testing, Big Data, GitHub
- Image Processing, AI, Machine Learning, Embedded Systems, Analog & Digital Communication
- UART, SPI, I2C, CAN, RS232, RS485, RFID, Fiber
- Python, C, C++, C#, CST, Swift, MatLAB, Altium, Firebase, MySQL, PHP, Figma, CSS,

Employment

VESTEL Electronics   **Aug, 2024 - Sep, 2024**
Embedded System Software Intern (Electric Vehicle Charging)

VESTEL Electronics   **Jul, 2024 - Aug, 2024**
System Design Engineering Intern (Electric Vehicle Charging)

VESTEL Electronics   **May, 2020 - May, 2021**
Maintenance (Production Line)

Projects

License Plate Registration   Python,OpenCV, OCR, NumPy, imutils, Contour Analysis,Image Processing, ROI,Tesseract,CSV

Dual Band MIMO Antenna   CST Studio, Coupling, MIMO, ECC, DG, S-Parameters, IEEE 802.11ac, 5G, RF, dB, UGB, FR-4

Karaca Concept App   SwiftUI, UI/UX, Payment Method, Order System,MapKit ,Firebase FireStore, Notifications

Temperature Control System.   C/C++, Assembly, Altium, PCB, MSP430, PWM, ADC, Sensors, Microcontroller

iOS Robotcar   Swift, C, Xcode, MVVM, Firebase Realtime Database, Altium, STM32F103, ESP8266, UART

PMOD CLP   VHDL, Vivado, Xilinx, FPGA, Basys 3 Board,, FSM (Finite State Machine), UART, FPGA, RTL

720 KW EVC DISPENCER (Hardware / Software)
C/C#, e2 Studio,Debugging, HW/SW Testing, RS232, UART, SPI, I2C, CAN, RS485, RFID, Fiber-Optic, Serial Comms, ADC, PWM, Timer,Interrupts, EEPROM, Renesas RX/RL78/RH850/Synergy (HAL), KDC, PIC16F877A, ATmega16/328P, IR Sensor, Power Electronics, Cooling, AGT, ZwCAD

Unmanned Vehicles(UUV , URV)
UUV : STM32F4 (ARM Cortex-M4) with I2C, USB, BAR30 24-bit ADC, PWM, Fuzzy Logic, and PD/PID control for underwater vehicles
URV : Python, OpenCV, and NumPy for grayscale conversion, thresholding, contour analysis, ROI tracking, marker detection, rotation angle estimation, wheel revolution counting, image processing, and frame-based analysis

www.zekibaklan.com

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Education

Kocaeli University	**2021 - 2025**
Electronics and Communication Engineering	

Ege University	**2014 - 2018**
Electronics Technology	

Gulay Kaynak Technical High School	**2010 - 2014**
Electrical and Electronics Technology	

Certificates

Coderspaces	**May, 2025**

Vestel Mobilite Yol Haritası,Garanti BBVA - Teknoloji Serisi,Garanti BBVA - Serdar Kuzuoğlu Seminer, Garanti BBVA - Siber Güvenlik Eğitimi,Garanti BBVA - RPA EğitimiGaranti BBVA - Yapay Zeka Eğitimi, Cenoa Freelancer Bootcamp.

Credo Academy	**Oct, 2023**

SwiftUI Masterclass

BTK Akademi	**Sep, 2023**

SwiftUI ile iOS Mobil Geliştirme, Swift ile iOS Programlama.

London App Brewery	**Aug, 2023**

iOS & Swift - The Complete iOS App Development Bootcamp.

Turkcell	**Jun, 2023**

Digital Okuryazarlık, Mobil Uygulama Kullanımı, Sosyal Medya Kullanımı, Swift ile iOS Programlama 101-201-301.

Bilgeiş	**Mar, 2023**
Swift ile iOS Programlama	

Microsoft	**Mar, 2022**

Sertifikalı Microsoft Yenilikçi Eğitmen.

Bissatek	**Dec, 2021**

Yapay Zeka ve Digital Marketing, Yapay Zeka ve Gelecek Teknolojisi.

Elginkan Vakfı	**Jan, 2022**

Nesneye Dayalı Programlama - PYHTON, Zaman Yönetimi, Kişilik Analizi ve Çatışma Yönetimi, İletişim Becerileri

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Motivation Letter

I have been studying in the field of Electrical and Electronics for about 12 years. With my university life, I added the fields of Communication and Software to this knowledge. Most importantly, I have engineering principles and work ethics. I am a cheerful person who enjoys developing himself and his country. I enjoy working in the fields of electronics and software.

I did my internships in the R&D and Software departments. I like working in the fields of Hardware / Software and following the projects from beginning to end. I am both self-taught and educated, so to speak. I have an enterprising nature; I am eager and curious to learn about a subject I do not know.

My motivation is that there is nothing impossible in the world.

My goal is to integrate embedded systems with artificial intelligence and make them compatible with mobile devices. Because both are at the center of our lives.

Why shouldn't it be possible to control a Unmanned Aerial Vehicle with my phone?..

Hobies

Zeybek, Motocycle, Chess , Algorithm

Languages

English : B2 (Upper-Intermediate)

Turkish : Native

Clubs & Societies

IEEE KOU - Member

KOU DEV - iOS Developer

KOU SARSILMAZ IHA - Advisor

Rise In SOLANA Hackathon - App developer

References

Elif Kandıran   **+90 506 069 2189**
Embedded System from BAYKAR

Emre Kahraman   **+90 544 502 1048**
Senior Systems Engineer from VESTEL

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