Anıl Karaca

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Education

BACHELOR OF SCIENCE - ABET ACCREDITED | 2017 - PRESENT | HACETTEPE UNIVERSITY | CGPA: 3.06/4.00

- Major: Electrical and Electronics Engineering
- Related coursework: Computers and Programming, Fundamentals of Digital Systems, Microprocessor Architecture and Programming, Analog and Digital Electronics, Data Structures, Data Communication, Image Processing, Fundamentals of Medical Imaging, RF System Design, Digital Signal Processing

OPEN EDUCATION | 2022 - PRESENT | ANADOLU UNIVERSITY

- Major: Computer Programming
- Related coursework: Information Technologies, Web-based Programming, Spreadsheet Programming, User Experience Design, Information Society and E-Government

Experience

EMBEDDED SYSTEM ENGINEER | STG ENGINEERING | 09/2022 – PRESENT

- Building and maintaining Embedded Linux Distributions for Xilinx FPGAs
- Embedded Software and User Interface development using C/C++

MAINTENANCE AND AUTOMATION ENGINEER | ARÇELİK GLOBAL | 07/2022 – 08/2022

- Worked under the Mechanical Production and Maintenance Department as an Electrical-Automation Engineering Intern for the Compressor Plant. Conducted 6 projects, one of them being a voluntary R&D project for elected interns

    Referance: Burak Avağ | Senior Electrical-Automation Engineer at Arçelik Global | burak.avag@arcelik.com

IMAGE PROCESSING AND MACHINE INTERACTION INTERN | BAYKAR TECHNOLOGIES | 08/2021 - 09/2021

- Built a confidential project involving Image Processing, Data Communication and Computer Network, Software Development and User Interface Design with a project team

    Referance: Enes Demirağ | MLOps Engineer at Chooch | enes.demirag@chooch.com

Organizations

CO-FOUNDER | HACETTEPE FREE SOFTWARE SOCIETY | 11/2019 - PRESENT

- Developed key operational initiatives to establish and drive organization
- Organized a variety of technical and social events for the community

Skills & Abilities

Software Development, Embedded System Design, Automation and Maintenance, Data Communication and Computer Network, Image Processing, Deep Learning

Tools & Technologies

Python, C/C++, PetaLinux, Qt, Git, GNU Radio, MATLAB, OpenCV, Siemens TIA Portal, Assembly x86, Proteus, LTspice, VHDL, MS Office, HTML5, CSS3, Bootstrap, Javascript, Node.js, MongoDB, Tensorflow, Keras

Certificates

- Neural Networks and Deep Learning, Improving Deep Neural Networks, Structuring Machine Learning Projects, Convolutional Neural Networks | deeplearning.ai
- The Web Developer Bootcamp | Udemy

Projects

- USRP-based Testbed for Undergraduate Digital Communications Course (Capstone Project)
- MSP430-based IOT Wheather Reporting System
- Inverting and Noninverting Op-Amp Simulator in EMU8086
- PCB Electronic Component Detection Using YOLO Model
- VHDL Implementation of 4-Bit Arithmetic Logic Unit
- Personal Website Design

Languages

- Turkish | Native or Bilingual Proficiency
- English | Full Professional Proficiency
- German | Elementary Proficiency

References

- Dr. Berkan Dülek | Professor at Hacettepe University | berkan@ee.hacettepe.edu.tr
- Dr. İsmail Uyanık | Assistant Professor at Hacettepe University | uyanik@ee.hacettepe.edu.tr