

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

Experience

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

- Building and maintaining embedded linux distributions for a multidisciplinary Digital Video Recorder(DVR) project.

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 some selected interns

Reference: 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

Reference: 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 events for the community

Skills & Abilities

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

Tools & Technologies

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

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

- Inverting and Noninverting Op-Amp Design in EMU8086
- VHDL Implementation of 4-Bit Arithmetic Logic Unit
- PCB Electronic Component Detection Using YOLO Model
- Personal Website Design

Languages

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

References

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