Cankut Bora Tuncer

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http://cankutboratuncer.com/

EDUCATION

2020   **Bilkent University, Faculty of Engineering**, **Ankara, Turkey**
B.S. in Electrical and Electronics Engineering (High Honor with merit scholarship); CGPA 3.51/4.00 (3rd Year)
Projects:
Wi-Fi Camera Controlled Tank with a Robotic Arm, EEE212 Microprocessors course (Best Project Award)
Emotion Classification Algorithm and Its Implementation on FPGA via VHDL, EEE102 Digital Circuit Design course
Design of an AM Transmitter Receiver Circuit, EEE211 Analog Electronics course
Design of a Demodulator circuit using sample and hold circuit, EEE313 Electronic Circuit Design
Developing an e-commerce app with full functionality called "Alicisindan" using Android Studio and Java

2016-2020   **METU High school, Turkey**
Science/Mathematics student

EXPERIENCE

Aug 2022   **Bilkent Miniature Robotics Laboratory, Research, Undergraduate Researcher, Ankara**
- Worked on miniature impact resilient drones.
- Researched autonomous drone navigation algorithms.
- Worked on ESP based microcontrollers.
- Developed an API to increase the communication rate by x50 between two microcontrollers communicating over Wi-Fi.
- Developed drivers for the optical flow sensor PMW3901 (I2C).

Jun-Jul 2022   **Savronik, Defense System Technologies, Embedded Software Intern, Eskisehir**
- Developed a desktop application and GUI using C# to communicate with the programmable power supply HMP4040 over RS232.
- Developed driver APIs (GPIO, I2C, SPI, UART) for STM based microcontroller using C.
- Researched GPS systems and wrote documentation for the NESEO-GNSS1A1 board.
- Gained know-how about ISO and MLTSTD standards.
- Observed the production process in PCB Assembly, Assembly, Cable and Harnessing, and Testing Departments.

Sep-Jan 2022   **Bilkent University, Education, Tutor, Ankara**
- Tutoring the EEE212 Microprocessors course after getting A+ the previous semester.

SKILLS AND ABILITIES
Computer
Programming: Java, Python, MATLAB, C, C#, VHDL, Assembly 8051, CSS/HTML
Software: Android Studio, LT Spice, EasyEDA, AutoCAD Fusion 360
Other: MS Office Applications
Personal
Personal Traits: Quick learner, target-oriented, team player, self-disciplined
Languages: Turkish (native), English (proficient), German (intermediate)

EXTRA-CURRICULAR ACTIVITIES
Student Clubs
- Bilkent Young Entrepreneur Society, volunteer, 2020
- Bilkent TDP (Toplumsal Duyarlilik Projeleri), volunteer, 2020
- Bilkent IEEE Student Club, member, 2020 (Winner of the Engineer Of the Month Contest)

Hobbies & Interests

Playing the piano, playing volleyball, 3d printing, electronics, singing