

# Arda Tanıl KERSÜ

I am an electronics and communication engineering graduate from Izmir Institute of Technology, who is eager to pursue an academic career revolving around embedded systems. I have a passion for problem solving and I find joy in tackling challenging tasks.

## SKILLS

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- C programming
- OS building using Yocto
- Scripting (Python, Bash)
- Experienced on Linux systems
- Analog circuit design and PCB design and production
- EAGLE, LTSpice
- Experience with Beaglebone black, Raspberry Pi
- Many of Arduino's boards, Wemos, Firebeetle
- Advanced English

## EDUCATION

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01/2023 – Present **Electronics and Embedded System Development** Fanshawe College, London, ON

Graduated 08/2022 **Electronics and Communication Engineering**, IZTECH - İzmir, Gülbahçe

Graduated 06/2017 **High School**, MEV Fen Lisesi - İzmir, Güzelbahçe

## EXPERIENCE

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07/2022 – 08/2022

**Summer Internship**, TTTech Auto – İzmir, Çankaya

- Building custom Linux distro using Yocto Project
- Application development using C and bash script that monitors CPU temperature and adjusts CPU's clock frequency accordingly.

04/2022 – 08/2022

**Embedded Software Engineer**, TTTech Auto – İzmir, Çankaya

- Familiarity with functional safety standard ISO26262 and its various sub-components such as MISRA-C. Also, familiarity with Jira through the onboarding process.

08/2021 – 09/2021

**Summer Internship**, DVL Arge Müh. Ve Tic. – İzmir, Gülbahçe

- Analog circuit design for healthcare applications.
- Various Arduino-compatible sensor module designs on EAGLE for patient monitoring.
- Embedded software development on reading and processing patient data and transferring the data to an online database in real time.

06/2019 – 08/2019

**Voluntary Project Intern**, Teknopark İzmir – İzmir, Gülbahçe

- IoT system design using Wemos, Arduino Mega, and ESP8266.
- Hands-on experience on circuit board building.

01/2019 – 06/2019

**Voluntary IT Intern**, Teknopark İzmir – İzmir, Gülbahçe

- Scripting (Bash)
- IoT system design using Raspberry Pi.

# ACADEMIC PUBLICATIONS

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04/2023

Development of Open Source and Terminal Based Analog Circuit Simulator

# ADDITIONAL

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- 3rd place in national championships in gymnastics as a team
- 2 times 1st place in local championships in gymnastics as a team
- Professional electric guitar player and songwriter
- DIY electronics hobbyist
- 4 months of experience as math teacher
- Assisted as a teacher in a 3-week Arduino course