



ŞEVVAL YILDIZ

PROFILE

I am Şevval Yıldız, a 25 years old who has a strong passion and interest for learning.

CONTACT

+90538-766-70-65
yildizs15@itu.edu.tr
Istanbul / Turkey

PERSONAL SKILLS

- Teamworking
- Attentive & Versatile
- Good Communication
- Multi-tasking

SOCIAL ACTIVITIES

- Istanbul Technical University
Women's Basketball Team
2015-2020

TECHNICAL SKILLS

Python	Assembly
C	Microsoft Office
LTSpice	MATLAB
VHDL	Verilog HDL

PROJECTS

Dinosaur Animation with ARM Cortex-M0 Emulator
Heart Disease Detection with Artificial Neural Networks
Imitation Learning on Mobile Robots (Graduation Project)
RISC-V Processor Design
Self Synchronizing Stream Cipher

EDUCATION

University of Pavia • 2022 - Present
MSc - Computer Engineering

Istanbul Technical University • 2015 - 2020
Bachelor's Degree - Electronics and
Communication Engineering

Capa Science High School • 2011 - 2015

EXPERIENCE

ITU VLSI Labs, Jul 2019 - Aug 2019
Summer Intern

YONGATEK, June 2020 - August 2020
Design and Verification Intern
• Gray Scale Histogram Equation
with VHDL

**Scientific and Technological Research
Council of Türkiye, October 2020 -
September 2022**
Jr. Digital Design Engineer, Researcher

REFERENCES

Prof. Dr. Ece Olcay GUNES
Istanbul Technical University
gunesec@itu.edu.tr

Prof. Dr. Siddika Berna Ors YALCIN
Istanbul Technical University
orssi@itu.edu.tr

PROJECTS

Dinosaur Animation with ARM Cortex-M0 Emulator

An animation version of Google Dinosaur Game by using assembly.

Heart Disease Detection with Artificial Neural Networks

Detection of heart disease with analyzing tests of the patients. Different methods are used for comparing results.

Imitation Learning on Mobile Robots (Graduation Project)

Two convolutional neural networks are built and used in different ways to perform autonomous driving using imitation learning.

RISC-V Processor Design

Processor design by using Verilog hardware description language and RISC-V instruction set architecture.

Self Synchronizing Stream Cipher

Stream ciphering with an FPGA and Picoblaze.

ARM Cortex-M0 Emulator with C

Definitions of some basic ARM Cortex-M0 instructions(for int32) with C language.