

# Yiğit Süoğlu

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PERSONAL WEB PAGE: [suoglu.github.io](https://suoglu.github.io)

## Experience

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- January 2024 - present **Software Developer, AIXEMTEC GmbH** Herzogenrath, Germany  
I worked on development of process modules such as image processing, database management and hardware communication. Additionally supported project team and application engineers.
- June - December 2023 **Intern, AIXEMTEC GmbH** Herzogenrath, Germany  
I worked on various image processing tasks using Verilog, C++ and Python
- December 2022 - May 2023 **Master Thesis Student, RWTH Aachen** Aachen, Germany  
At Chair of Integrated Digital Systems and Circuit Design. Thesis title: Data Management for FPGA Compute Clusters Targeting Biological Neural Network Simulations
- November 2020 - November 2022 **Wissenschaftliche Hilfskraft, RWTH Aachen** Aachen, Germany  
At Chair of Integrated Digital Systems and Circuit Design. I worked on a project on the accelerated simulation of biological neural networks. My tasks were the design and implementation of hardware modules/IPs on FPGA; and MicroBlaze firmware and host software development.
- August - September 2017 **Summer Intern, Mikroelektronik Ltd.** Istanbul, Turkey  
During my internship at Mikroelektronik, I worked on a bandgap reference circuit and a fully differential folded cascode operational transconductance amplifier.
- July - August 2017 **Summer Intern, TÜBİTAK BİLGEM UEKAE** Gebze, Turkey  
National Research Institute of Electronics and Cryptology. I designed a driver for Digilent Pmod AD5
- June - July 2017 **Summer Intern, İTÜ GSTL** Istanbul, Turkey  
Istanbul Technical University Embedded Systems Design Laboratory. I worked on image processing with Zedboard. I designed simple IPs for the ARM processor on Zedboard and programmed the processor.

## Education

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- October 2018 - January 2024 **RWTH Aachen** Aachen, Germany  
Micro- and Nanoelectronics (MINA)
- September 2013 - January 2018 **Sabancı University** Istanbul, Turkey  
B.S. Electronics Engineering, 50% Tuition Scholarship  
GPA 3.26/4.00, Transcript: [suoglu.github.io/misc/SuogluYigit\\_transcript.pdf](https://suoglu.github.io/misc/SuogluYigit_transcript.pdf)

## Skills

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### Computer:

- Verilog
- Git
- Linux
- Xilinx Vivado
- C++
- mongoDB
- Python
- Tcl
- Image Processing

### Language:

- ENGLISH: Professional working proficiency  
TURKISH: Native  
GERMAN: telc B1

### Hobbies:

- Scuba Diving
- Running
- Photography