Serdar KIR

Öncebeci Mah. Aydoğmuş Sok. No:11/3 Çankaya/ANKARA
Mobile : +90 507 321 3075   E-mail : serdarkir@outlook.com

Summary

Expert in a variety of platforms, languages, and embedded systems. Excellent experience in analysis, design, development, testing, and implementation of various fpga-based applications. Supportive and enthusiastic team player dedicated to streamlining processes and efficiently resolving project issues.

Actively looking for a software engineering position with a fastpaced and ambitious company that can offer development training, project based learning and a mentoring programme.

Projects

-High Level Synthesis for FPGAs : The goal of HLS is to let hardware designers efficiently build and verify hardware, by giving them better control over optimization of their design architecture, and through the nature of allowing the designer to describe the design at a higher level of abstraction .

-Design and Implement a Secure FPGA Device Authentication System with Physical Unclonable Functions(PUFs) : PUFs are circuit primitives which reveals device fingerprints from physical characteristics of integrated circuits, which is an electronic analog of human fingerprinting. In this project, our team build a secure FPGA device authentication system by actively measuring unique physical characteristics of an FPGA device. We saw a real-life demonstration of our proposed authentication system, for instance, a unique secret key can be generated and used in a security application based on FPGA.

-Labyrinth Solver Robot Project

-Color Picking Robot Project

-Self-balancing Robot Project

Researches

-Perovskite solar cells –Electro-optics of perovskite solar cells

Internship Experience s

06/2017 – 07/2017	**Eczacıbaşı Vitra Tile / BİLECİK**
	Within the factory, trouble shooting and maintenance with certain periods of computers and electronic cards. Trouble shooting and maintenance of digital printers that print on tiles
08/2016 – 09/2016	**DSI the 72. Regional Directorate / TOKAT**
	The DSI's purpose "to develop water and land resources in Turkey" covers a wide range of interrelated functions. Duties; controlling of electrical projects of ponds and dams, discussing the technical aspects of a projects

Additional Education & Certificates

12/2015	LED Technology and LED Lighting System Certificate – A.Ü.
03/2014	Model aircraft certificate (Leylek F 1A)-THK
02/2012	Model aircraft certificate (Tekamül-C)-THK
12/2011	Model aircraft certificate (Başlangıç-C)-THK

Education

09/2011 – 06/2017	Anadolu University Electrical and Electronics Engineering
09/2007-2011 (not finished)	Gazi Üniversity Primary School Mathematics Teaching
09/2003 – 06/2007	Tokat Anatolian Teacher Training High School

References

Available upon request.

Personal Information

Date of Birth	: 21/01/1989
Marital Status	: Single
Nationality	: Turkish
Driving License	: B
Military Service	: Done-04.2018

Career Statement

I feel that my strongest strengths are firstly having a passion for technology and software engineering. Secondly an ability to understand and prioritise my work in a changing business environment, thereby helping me to successfully deliver results. Finally my practise of consulting with all parties involved in a project, then identifying the requirements and to then provide an appropriate solution.

Areas of Expertise

- C
- Java
- VHDL
- MIPS
- Algorithm
- PSpice
- Matlab
- Arduino
- Data Structures

- Software Design
- Assembly Language
- Code reviews

Club Memberships

-Anadolu Robot Club
  Presedent (2014-2017)
  Audit Commission (2017-….)
-Aviation Club (AHAVK)
  Member

Hobbies

Model aircraft, Origami, Stamp collecting, Aquarium