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Kaan Arslan

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WORK EXPERIENCE

20/2/22 – CURRENT Izmir, Turkey

AUTOMATION ENGINEER HIPERMAK VERTICAL & HORIZONTAL PACKAGING MACHINES

Achievements/Tasks

- Human Machine Interface design and programming
- PLC motion control
- Tooling & Techniques: Studio5000, E-Plan, VSCode
- **Competencies:** PLC motion projects and applications, interface design, programming paradigms

8/3/20 – 8/8/21 Izmir, Turkey

RESEARCH AND DEVELOPMENT ENGINEER ABM MACHINERY

Achievements/Tasks

- Human Machine Interface design and programming
- PLC motion control
- Pcb design
- Electrical panel design
- Database design and programming
- Tooling & Techniques: TwinCAT, C#, KiCad, E-Plan
- **Competencies:** PLC motion projects and applications, interface design, circuit design, programming paradigms, Database design

5/18 – 8/18 Izmir, Turkey

INTERN ENGINEER ELTA CONTRACTING INDUSTRY AND TRADING LIM.

Achievements/Tasks

- **Problem Solving:** Organized and managed field duties as a part of the team.
- **Innovation and Creativity:** Participated in designing and drawing a single line diagram.

EDUCATION AND TRAINING

8/14 – 9/18 Izmir, Turkey

ELECTRICAL AND ELECTRONIC ENGINEER Yasar University

Modules Include: Mathematical, Computational and Physical Techniques for Engineers, Electronics, Telecommunication, Digital Signal Processing, Microprocessors, Industrial Automation, Power and Energy Systems

Address Üniversite Caddesi, No:37-39, Ağaçlı Yol, Bornova, İzmir - Türkiye, Izmir, Turkey |

Website https://www.yasar.edu.tr/ | **Final grade** 2.57 |

Thesis Remote Controlled Unmanned Ground Vehicle with Leap Motion

LANGUAGE SKILLS

Mother tongue(s): **TURKISH**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Beckhoff TwinCAT software | Rockwell Studio 5000 | Allen Bradley - RSLogix RSLinx FactoryTalk RSView | CSharp (Intermediate) | HTML5/CSS, Javascript | EPLAN Electric P8 | Microsoft Office: proficient user of Word, Excel and Powerpoint | Next JS | REACT framework | NextJs/Sanity.io | Github | Web Development

ADDITIONAL INFORMATION

PROJECTS

22 – 22
HMI design for a Packaging machine Designed various components of PLC and HMI programs of a research project which funded by TÜBİTAK. The HMI was created using Studio5000 and FactoryTalkView.

20 – 21
2-Axis Laser Machine HMI design My team was working on a brand new welding machine with laser technology. For that project, my duty was to design and develop The PLC motion control(using TwinCAT 3) and Windows application(using C#) algorithm. Providing effective communication between C# and TwinCAT's motion system was the fundamental part of the project.

22 – 22
Web based HMI Design Contributed to a Web-based HMI project design using CSS.

20 – 21
Communication App Design In this project my goal was to provide communication between different units in the factory and also to store essential data like quantity of cnc machine sales, accounting records, stores account and workflow report. All data was stored in local server using SQL server and windows application was designed in C#.

20 – 21
3-Axis CNC Machine HMI design G-codes was used to develop algorithm for precise adjustment of 3-axised circular interpolated movement. The Human machine iterface was created in TwinCAT 3 with CNC license.

19 – 20
Service Control Application I developed a windows application to help my uncle in his transportation business using C#. The program was created to make feasible monetary decisions by tracking the previous data. The data was stored in text file format.