Anas Abughazaleh
Mechatronics Engineer

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As an Engineer, I am advancing my career in mechatronics and AI solutions, and enthusiast about development.
While in Germany, I have experienced working first hand in a professional tech environment with agile lead.
I'm looking for an opportunity to drive my profession for the next level.

Skills

Technical tools

dSPACE Simulation tools
Qtronic TestWeaver & Silver
MATLAB
Figma for prototyping and design

Programming

Python, Ladder PLC	Very Good
C/C++	Intermediate
Java, HTML, CSS, JS, SQL	Basic

Language

Arabic	Native
English	Fluent
German	Intermediate

Education

- **Bachelor Mechatronics Engineer**   2018
  Heilbronn Hochschule, Heilbronn, Germany

- **Bachelor Mechatronics Engineer**   2014 - 2020
  German Jordanian University, Amman, Jordan

- **High School**   2013 - 2014
  Al-Fourqan School, Doha, Qatar

Experience

Software Engineer   4 -current /2021

Knowledge AI Inc, Amman, Jordan

Develop Biometric AI Educational solutions
- Develop, maintain, & debug python scripta for internal solutions
- Develop, maintain, & debug Qt GUI based software application

Business Development (remote work)   10 -12 /2020

Tactics Creative Communication, Dubai, U.A.E

Business development for co-founding an E-commerce start-up
- Business model & value proposition planning
- UX/UI for product designing (mobile app)
- Using Figma for product prototyping and designing

Automation Engineer   8 - 9 /2020

Volt Automation, Amman, Jordan

Industrial Automation mainly PLC programming and HMI setup.
- Used Siemens tools for PLC programming and HMI setup
- Generating IO lists for IO modules using Excel
- Background in the industrial automation field

Test Automation, Bachelor Thesis   10 - 2 /2020

Knorr Bremse AG Group, Schwieberdingen, Germany

Bachelor thesis at the HAD/ADAS department, development of Software-in-the-Loop toolchain to check critical situations for developed ADAS functions
- Develop robust python **automation** modules to control dSPACE simulation & testing tools
- **Integrate** dSPACE tools with Qtronic TestWeaver and Silver tools for test simulation and test coverage, while optimizing the process
- **Test** ADAS functions using the developed automated toolchain
- Implement **algorithms** in TestWeaver to monitor the behavior of the tested functions
- **Analyze** the results produced after the evaluation
- Proper **data visualization** for the results generated from the test simulation

Mechatronics, Intern   4 - 10 /2019

Knorr Bremse AG Group, Schwieberdingen, Germany

Commercial Vehicle Systems division, intern for Functions Development/Testing and GUI programming
- Creating custom python libraries with **functions & algorithms** for **evaluating** the characteristics of signals in measurement files
- Implementing the evaluation libraries in dSPACE AutomationDesk for internal usage
- Developing a **GUI** tool for illustrating Driving Scenario cases, built on Python Tkinter library
- Background in **Advanced driver-assistance systems ADAS** technology and Automobile tech field

Mechatronics, Intern

7 /2018

Abdin Industrial Establishment, Amman, Jordan

Production, installation of refrigeration, catering and shelves equipment
- Practicing the use of workshop machineries
- Assemble metal pieces into products and wiring there electrical circuits

Mechatronics, Intern

7 - 8 /2017

Mideast Aviation Academy, Amman, Jordan

Learn the mechanics and avionics of aircraft
- Practicing using various tools for maintenance
- Learning about aircraft headings and maintenance topics (Cooling systems, Fuel system, Breaks system, navigation system, avionics systems, ...)

Volunteer Experience

Secretary

2013-2018, 6 years

Ferdous Youth Institution
- Secretary work (managing all the institute documents and planning)
- Deputy Manager
- Managing meetings weekly
- Preparation of annual planning
- Institute scaling and problem solving

Skills

Additional Technical Skills

- Simulation tools
- 3D modeling tools
- Data visualization Tableau
- MS-Office : MS-Word, Excel, PowerPoint
- Arduino kit

Personal Skills

- Willingness to learn & hard working
- UX/UI design
- Problem Solving
- Management & Business Process Improvement
- Programming, debugging, testing, & evaluation

Courses

- The **Data Science** Course 2021: Complete Data Science Bootcamp (Udemy)
  (topics such as: Probabilities, Statistics, Advanced Statistical methods, Deep Learning, data preprocessing, ...)
- **Deep Learning** A-Z™: Hands-On Artificial Neural Networks (Udemy)
  (topics such as: ANN, CNN, RNN, SOM, Boltzmann Machines, AutoEncoders)
- **Project Management** Foundations (LinkedIn Elearning)
- Introduction to **User Experience** Design(Coursera)
- The Ultimate 2021 **Fullstack Web Development** Bootcamp (Udemy)
  (topics such: HTML, CSS, JS, Bootstrap, jQuery, React.js, APIs, Git, SQL, python Djanjo, ...)

Certificates

https://drive.google.com/drive/folders/1wUHsznJfnmo24pdegEWDSTacDDYpAZle?usp=sharing

Amman, Jordan   01.07.2021