KHALED TAFESH

M.Sc. in Mechatronics Engineering with Expertise in Automation and Digitalization

WORK EXPERIENCE

Forchheim, Germany
Sep 2022 - Present

Working Student – Automation and Digitalization
Siemens Healthineers AG

- Process automation, data processing
- Creation of dashboards and data visualization

Nürnberg, Germany
Nov 2022 - May 2023

Master's Project – Production and Simulation
Friedrich-Alexander-Universität in cooperation with Robert Bosch GmbH

- Master's Thesis: "Developing an Assisted Data Entry Application for Digital Twins of Production Systems"
- Evaluation: 1.3

Nürnberg, Germany
Aug 2020 - Feb 2022

Scientific Assistant – Home Automation
Institute for Factory Automation and Production Systems

- Implementation of various projects for smart home solutions
- Assistant in the Laboratory for Production Technologies

Nasushiobara, Japan
Jun 2018 - Jan 2019

Trainee – Kaizen Support
Bosch Corp

- Design and optimization of a camera inspection system
- Participation in international process optimization projects

Immenstadt, Germany
Mar 2017 - Feb 2018

Intern – ESP/ABS Production
Robert Bosch GmbH

- Development of speed and rotor position sensors for ESP braking control systems
- Analysis of production issues to increase the Overall Equipment Efficiency (OEE) of the production line

Ramallah, Palestine
Jan 2016 - Feb 2016

Intern – Facility and Production Planning.
Coca-Cola National Beverage Company

- Assisting the facility engineers in resolving machine failures
- Creating and documenting maintenance instructions

EDUCATION

Erlangen, Germany
May 2020 - Aug 2023

Master of Science in Mechatronics Engineering
Friedrich-Alexander-University

- Specializations: Manufacturing automation, measurement technology, and quality management

Staffordshire, United Kingdom
Sep 2021 - Feb 2022

Exchange Semester as part of an Erasmus+ Scholarship
Staffordshire University

- Field of study: Robotics and Smart Technologies
- Projects: Design and 3D printing of a car key in a reverse engineering process, Model Predictive Control

Kempten, Germany
Sep 2016 - Aug 2017

Exchange Year as part of a DAAD Scholarship
Kempten University

- Field of study: Mechatronics
- Project: Intelligent living for the elderly, Kuka robot programming certification

Amman, Jordan
Sep 2014 - Jun 2019

Bachelor of Science in Mechatronics Engineering
German Jordanian University

- Thesis project: Concept Explanation and Integration for the Use of Motor Speed- and Rotor Position Detection Methods in Future Braking Control Systems
- Final Evaluation: Very Good

PERSONAL INTERESTS

- Sport (Canoe Polo, Ultimate Frisbee)
- Environmental commitment activities at Naturfreunde e. V. Erlangen
- Volunteer work at Malteser Hilfsdienst e. V. Erlangen

CONTACT

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90427, Nuernberg, Bavaria,
Germany

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+49 163 8346533

Link
https://www.linkedin.com/in/khaled-tafesh-nr

SKILLS

- Programming skills: SQL, Python, C, Bash/shell
- Development Platforms: Outsystems, Visual Studio, Matlab and Simulink, OpenHAB, InfluxDB
- Low-Coding
- Product Development
- Process Optimization
- MES Data handling
- Project Management
- Teamwork
- Intercultural Communication Skills

LANGUAGES

Arabic
Native

German
Advanced. C2

English
Advanced. C2

Japanese
Elementary