



Mohammad Rashed

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Born May 23rd 1998 in Riyadh, Saudi Arabia

WORK EXPERIENCE

September 2020 - March 2021

Bachelor Thesis Student

STILL GmbH, Hamburg, Germany

Thesis title: "6D Pose Estimation and Domain Adaptation of Warehouse Load Carriers with Deep Convolutional Neural Networks"

- Patent pending under the title: "Pose estimation and refinement for warehouse load carriers using a synthetic data trained deep neural network without depth information"
- A literature review of the state of the art pose estimation algorithms, their input requirements, outputs, pros and cons
- Training and testing pose estimation deep neural networks on multiple datasets and construction of a state of the art pose estimation pipeline for load carriers
- Generated pose estimation real data using the VICON motion capturing system

March 2020 - August 2020

AI Research Engineering Intern

STILL GmbH, Hamburg, Germany

- Conducting research on various domain randomization techniques that are used to generate synthetic data for deep learning training
- Applied domain adaptation techniques using GANS to transform the synthetic scenes into more realistic ones
- Created a comparison benchmark between various state-of-the-art GANS for domain adaptation

EDUCATION

September 2016 - June 2021

B.Sc. in Mechanical and Maintenance Engineering

German Jordanian University, Madaba, Jordan

- GPA: 94.6%
- Ranked top of the batch

September 2019 - March 2021

Exchange Study - B.Sc. in Mechanical Engineering

Osnabrück University of Applied Sciences, Osnabrück, Germany

- Part of the exchange study program of the German Jordanian University

SKILLS

Languages

- Arabic: Mother Tongue
- English: C2-Level
- Germany: B2-Level

Programming Languages

- Python: High level of experience
- MATLAB and Arduino: Good experience
- R, C, and C++: Basic knowledge

ML / DL Frameworks

- Tensorflow: High level of experience
- Pytorch: High level of experience
- Scikit-learn: High level of experience

Database

- MongoDB: Basic knowledge

HACKATHONS AND COMPETITIONS

May 2021

Third Place Winners Of the Power Up Jordan Idea-A-Thon 2021

Project title: "Smart Home Health Monitoring System for the Elderly"

January 2020

Participant in AI 4 Closed-Loop Control Systems in Osnabrück

Collaboration between ZF, University of Osnabrück, and Osnabrück University of Applied Sciences

Dynamic Spring-Damper Optimal Parameters Prediction through LSTM Neural Network

LICENSES AND CERTIFICATIONS

May 2021

Deep Learning A-Z™: Hands-On Artificial Neural Networks

Udemy Certification [🔗](#)

July 2018 - September 2019

Python Programming Applied Course

Al-Balqa' Applied University, Amman, Jordan

SCHOLARSHIPS

September 2019 - August 2020

Scholarship of the HS Magdeburg-Stendal from funds of the DAAD Scholarship for an exchange year in Germany

July 2019

EGREEN Training Course in Energy Efficiency in Buildings and Building Energy Modeling

University of Innsbruck, Innsbruck, Austria

September 2018

DAAD's scholarship for German Language Course

InterDaF University of Leipzig, Leipzig, Germany

EXTRACURRICULAR ACTIVITIES

October 2020 - Present

Member in Magniphi.AI Lab

Phi Science Institute, Amman, Jordan

January 2019 - September 2019

Participant in Phi's Applied Research and Innovation program

Phi Science Institute, Amman, Jordan

Mohammad Rashed,
Riyadh, Saudi Arabia, 1st July 2021

