AMGED ELSHEIKH ABDELGADIR ALI

2nd year Master student
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Work History

01/2019 Engineering Trainee Business Development | OLGA Engineering Industries.
08/2019 Full time trainee - *Khartoum, Sudan*

11/2017 Assistance Tutor | University of Khartoum.
12/2018 **1-year national service** - *Khartoum, Sudan*

Education

10/2020 IMAC-G program - Master's Degree Department of Robotics Graduate School of Engineering
09/2022 Tohoku University - *Miyagi, Japan*

10/2019 Research Student, Department of Mechanical Engineering
09/2020 Tohoku University - *Miyagi, Japan*

10/2012 B.Sc. Honor's First Class (CGPA: 7.18/10 equivalent to 3.10), Mechanical Engineering Department
11/2017 University of Khartoum - *Khartoum, Sudan*

Projects

Choosing Cafe location based on NYC Airbnb data (link here)

- I used Kaggle Airbnb 2019 dataset and Foursquare API to find proper locations to open a new cafe/coffee shop in New York City. I visualized data using the Folium library. The whole project was built in Jupyter notebook using Python3.

Estimation of Lower Joints Kinematics and Kinetics Using EMG Signals and Deep Learning (link here)

- The link shows a poster I made to represent my master's research work. I am comparing Deep Learning (DL) effeciency to map muscles activations signlas into the corresponding Joints angles and moments. In this project I collected raw data from experement trials using three different systems, process the data, create & train DL models.

Skills

- **Programming languages:** Python (Proficient), HTML&CSS (Basics knowledge), SQL (Basics knowledge)
- **Frameworks and tools**: TensorFlow (Proficient), MS-office (Proficient)
- **Languages** : Arabic (Mother language), English(Native level), Japanese (Conversational level)

Courses & Certifications

- IBM Data Science Specialization
- Deep Learning by DeepLearning.AI
- JLPT N3
- TOEIC Listening and reading (score: 920 point)