RESUME
Sakher Khalil Alqaaidi

Address: 415 Boyd Graduate Studies Research Center, Athens, GA, USA 30602
Contact: sakher.a@uga.edu , Mobile: (706) 308-0020
Website: Linkedin.com/in/sakher1, GitHub.com/sa5r/

SUMMARY OF QUALIFICATIONS

- Skilled in Machine / Deep Learning tools on NLP, vision and graph tasks using on-premises and cloud platforms.
- Efficient usage of pre-processing techniques, feature engineering methods and data visualization libraries.
- Problem solving, critical thinking, analytical, communication, presentation and team working skills.

EDUCATION

University of Georgia, PhD student, Computer Science — Admitted Aug 2019
GPA: 3.97, **Advisor**: Dr. Krzysztof Kochut, **Research Area**:ML Graph Representation — Expected graduation: May 2024

Middle East University, Master's Degree in Computer Information Systems — Mar 2009
Published Paper: A Hybrid Approach to Web Change Detection

Mu'tah University, Bachelor's Degree in Computer Science — Jan 2005

SKILLS

Deep Learning / Machine Learning	Using Keras / TensorFlow, Scikit-learn, Pandas, Numpy, Spacy and Matplotlib to perform text, image and graph related preprocessing, visualization, training, tuning and prediction tasks. Fair cloud computing skills.
Programming and VCS	General Purpose Programming, full stack web developer, Android / iOS App development, Restful Web Services, Git, Python, Java and JavaScript, and low level programming C
Systems Analysis and Design	Requirements Analysis, UML diagrams modeling, system architecture design and design pattern selection

PUBLICATIONS

Alqaaidi, S. K. (2013). A hybrid approach for web change detection. International Journal of Information Technology and Web Engineering (IJITWE), 8(2), 46-69.

EXPERIENCES

Teaching Assistant, The University of Georgia, Athens, GA — Aug 2019 to present
Handled teaching Java labs, grading and testing students' assignments.

E-Services Team Leader - Developer, Taif Regional Hospitals, www.PSHRC.med.sa — Aug 2010 to Jul 2019
Developed the facility E-services applications including Web and SharePoint portals and mobile app.

PROJECT HIGHLIGHTS

Text2Visual using Glove Embeddings
In the initial phases the projects consisted of NLP tasks like training a Part-of-Speech recognition Keras model, that is used to build a graph triples (RDFs) from a text article, embeddings are weighted using Glove and trained on several tree banks and the DocRED dataset. Then, nodes link prediction method is followed to construct the graph by connecting the nodes using the added edges. Finally, entities (nodes) are transformed to images for visualization.

Digit Recognition IoT Device, Oct 2021 https://bit.ly/3ykMm0g
I trained a Keras deep learning model using MNIST dataset, the network consists of two convolutional layers, the model was installed on a Raspberry Pi device to predict digits that appear in images taken by the connected camera.

Disaster Tweets Sentiment Analysis, a Kaggle competition, Oct 2021
Starting by dataset pre-processing (removing stop words, symbols and lemmatizing), different deep learning RNN models, like GRU and Bidirectional LSTM, were trained using Keras to pick the most accurate and use it to classify tweets. Models hyperparameters were tuning using Keras tuner.

Hotel Guest Behavior Prediction
A doctoral level data mining project that uses a neural network model to classify the booking cancellation status based on a dataset that went through a pre-processing phase of scaling, normalization and encoding categorical features.

Last edit 01/10/2022