

Contact

www.linkedin.com/in/hussam-qassim-42995796 (LinkedIn)

Top Skills

Machine Learning
Project Management
Natural Language Processing

Languages

Arabic (Native or Bilingual)
English (Full Professional)

Certifications

PI System
Maximo System
Networking & Voice Fundamentals
SQL Server 2005
Data Management

Honors-Awards

Presented a Poster
California State University, Fullerton,
Engineering and Computer Science
Student Recognition Event

Publications

Residual Squeeze CNDS Deep
Learning CNN Model for Very Large
Scale Places Image Recognition
Compressed residual-VGG16 CNN
model for big data places image
recognition

Compressed Deep Supervision
and Residual Learning Network for
Scene Recognition

Novel CNN Architecture with
Residual Learning and Deep
Supervision for Large-Scale Image
Categorization

Residual-CNDS for Grand Challenge
Scene Dataset

Hussam Qassim

Machine Learning Engineer & Data Scientist
Anaheim, California

Summary

Machine Learning Engineer & Data Scientist with a demonstrated history of IT Business Analyst & Coordinator. Skilled in Machine Learning, Neural Network, Deep Learning, Computer Vision, Natural Language Processing (NLP), and Software Engineering. Robust research professional with a Master's degree focused on Computer Science from California State University, Fullerton.

Experience

Alpha Silicon

Machine Learning Engineer

January 2018 - Present (2 years 3 months)

San Francisco Bay Area

- Several machine learning/data science projects.
- Client East West Bank, CA (Jan. 2019 – July.2019)
- Client Apple Inc., CA (Jan. 2018 – Jan. 2019)

East West Bank

Machine Learning Engineer (Consulting)

January 2019 - July 2019 (7 months)

San Francisco Bay Area

- Design, build, and test a deep learning fraud detection model utilizing deep learning framework TensorFlow/Keras. (Research & Develop)
- Build semi and full automated Python and SQL/Presto jobs that daily scheduled to extract, transfer, load (ETL), and monitor data. (Develop & Production)
- Build semi and full automated Python jobs that daily scheduled to extract, transfer, load (ETL), and monitor data between network sharing files system and Azure SQL Database and between Azure SQL Databases and tables. (Develop & Production)
- Build SQL syntax streaming jobs utilize Azure Stream Analytics, and deploy them using Azure DevOps, to extract, transfer, load (ETL) and monitor data between Azure Cosmos DB and Azure SQL Database, and between Azure SQL Databases and tables. (Develop & Production)

Apple

Machine Learning Engineer (Consulting)

January 2018 - January 2019 (1 year 1 month)

San Francisco Bay Area

- Design, build, and test a complete natural language processing (NLP) anomaly detection pipeline system utilizing Python, PySpark, Scala, Spark, Hadoop, and Hive based on statistical and deep learning model. (Research, Develop & Production)
- Author, schedule, and monitor the workflows using Airflow. (Research, Develop & Production)
- Design, build, and test a topic modeling deep learning model utilizing deep learning framework TensorFlow/Keras. (Research & Develop)
- Data cleansing, transformation, and clustering were utilizing Python, Pandas, and Unsupervised learning algorithms, such as PCA, k-means, and Latent Dirichlet allocation. (Research & Develop)
- Extract, transform load (ETL) on big data utilizing Python, PySpark, Spark, Hadoop, and HiveQL/Presto. (Develop & Production)
- Build and design dashboards in Tableau utilizing HiveQL/Presto. (Research, Develop & Production)
- Build and create dashboards in Incorta. (Research, Develop & Production)
- Installation and configurations Tableau server. (Develop & Production)

Zulu Quant

Machine Learning Engineer

August 2017 - November 2017 (4 months)

Newport Beach, California

- Design, build, and test deep learning models (LSTM/GRU) utilizing deep learning framework TensorFlow/Keras to study and predicates stock market movements in real-time. (Research, Develop & Production)

California State University, Fullerton

Machine Learning Engineer - Graduate Research Assistant

August 2016 - August 2017 (1 year 1 month)

Orange County, California Area

- Working on several types of research on Machine Learning and Deep Learning: Large-Scale Image and Video Categorization

WQ1FOD

Business Analyst & Coordinator

January 2010 - May 2014 (4 years 5 months)

Iraq

- Planned, supervised, and coordinated implemented and maintained multi IT software server-based application projects, which created the company application infrastructure and reduced the operation cost. (Team Leader)
- Planned, supervised, and coordinated building and equipping several server rooms, security, and communication systems in the WQ1FOD company, which created the company infrastructure and reduced the operation cost. (Team Leader)

* WQ1FOD a joint venture company between South Oil Company of Iraq and Exxon Mobil Corporation

South Oil Company (SOC)

Software Engineer (Data Gathering and Cleaning)

September 2007 - January 2010 (2 years 5 months)

Iraq

- Maintained the company computers and the salary system for the civil engineer department

Education

California State University, Fullerton

Master's degree, Computer Science · (2015 - 2018)

University of Basrah, Iraq

Bachelor's degree, Computer Science · (2001 - 2005)