

Omar Essam

Data Scientist

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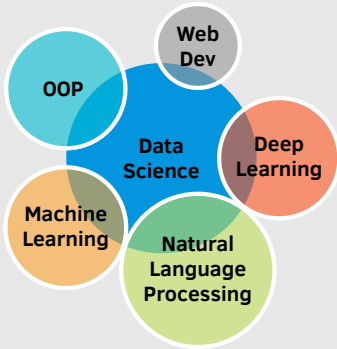
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Skills

Overview



Programming

Basic → Excellent

PHP • Python

Java • JS • C++

C • \LaTeX

Languages

Basic → Native

Arabic

English

French

German

Education

2012 - 2017 **BSc., Computer Engineering** Faculty of Engineering, Ain Shams University
Cairo, Egypt

My emphasis has been on AI related courses which include: Artificial Intelligence, Deep learning, Bioinformatics.

Experience

July 2012 - Present **Freelancer** Upwork

- Text classification projects (NLP)
- Stock market prediction using Machine Learning models (Random forests, SVM, XGBoost, ...)
- Data collection using Web scrapers and APIs.
- Various projects in web development.

June 2016 - October 2016 **Data Science Intern** Cognitev

- Worked as a data scientist throughout the summer learning and applying knowledge onto the company's problems.
- Product linkage (Clustering, text similarities, classification)
- Aspect Oriented Sentiment Analysis (Recursive neural tensor networks using CoreNLP)
- Image classifiers (Convolutional neural networks)
- Data collection through different sources and standardizing and cleaning to produce pure usable data sets

Projects

Dec 2016 - Jan 2017 **Stock Predictions using Machine Learning**
Upwork

- Analyzed the data gathered from Yahoo! finance for a certain stock index and created visualizations and summary statistics that further explored the data and the index's behavior.
- Experimented with different models to create a model that maximizes our objective.
- **Tools:** Python, scikit-learn, pandas, matplotlib, Jupyter notebooks, xgboost, keras

Aug 2016 - Jun 2017 **Arabic and Multilingual NER**
Graduation Project

- Experimented with different Arabic NER model and built a suitable model from an Engineering point of view and an NLP point of view.
- Experimented with different methods to have a Multilingual model that solves the task for both Arabic and English
- **Tools:** Python, scikit-learn, pandas, matplotlib, Jupyter notebooks, keras, NLTK, gensim, CoreNLP, FastText

Jul 2017 - **Kaggle Competitions**
Kaggle

- Competed in various Kaggle competitions and reached top 20% of contenders.
- **Tools:** Python, scikit-learn, pandas, matplotlib, Jupyter notebooks, keras, gensim, lightgbm, xgboost