

MOHAMED ADEL REZK

M.Sc. B.Comm.

Senior Research Assistant, Insight Centre for Data Analytics

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eGov-Centre/mohamedadelrezk NewsLab/mohamedadelrezk



EXPERIENCE

Senior Research Assistnat

DKE Unit - Insight Centre for Data Analytics - sfi funded

reporting to and mentored by: prof. Mathieu D'Aquin

Jan 2017 – Ongoing Galway, IE

Project: Automating Data Science

Technologies used:

Lang.	python, javascript, noSQL, bash script
Frameworks	django, mongodb, jupyter server, git
Lib.	selenium, bloodhound.js, jquery, bootstrap3 kaggle api, pymongo, geckodriver, pyvirtualdisplay mlxtend, spmfJARwrapper, FCA bedrock, inclose4, github api
Env.	unix, windows
Tools	pycharm, studio3t, jupyter notebook, Atom jira, rapid miner, knime, weka, orange, nginx
Data types	csv, xml, json, cxt
Algorithms	Frequent Items Sets, Frequent Sequence Rule Association Rule, Formal Concept Lattice

eGov Unit - Insight Centre for Data Analytics

reporting to and mentored by: Dr. Adegboyega Ojo

Oct 2015 – Ongoing Galway, IE

Project: European Linked Open Statistical Data Hub

Technologies used:

Lang.	python, java, sparql, javascript
Frameworks	django, pip, git
Lib.	rdflib, pivot.js
Env.	unix
Tools	virtuoso, pycharm, trello, nginx, jupyter notebook
Data types	rdf, xml, json, json-ld, csv

Project: Open Government Intelligence

- Code repos [Cube builder, Schema creator, Real time rdf publishing pipeline, Table2qb python wrapper, Lithuanian pilot data restructuring]

Technologies used:

Lang.	python, java, sparql, javascript, clojure, graphql
Frameworks	django, maven, pip, git, lein
Lib.	rdflib, tarql, pivot.js
Env.	unix
Tools	virtuoso, eclipse, pycharm, nginx, jupyter notebook trello, jira
Data types	rdf, xml, json, json-ld, csv, xlx

Project: ROUTE-TO-PA

- Code repos.: [Anomaly Detection Service]

Technologies used:

Lang.	python
Frameworks	flask, ckan, pip, git
Lib.	pylof
Env.	unix
Tools	pycharm, trello, jupyter notebook
Data types	json
Algorithms	Local Outlier Factor

MOST PROUD OF

Awards



CSS Egypt Award

Enhancing Internet User's Experience
using Semantic Web Technologies
Enhanca App



Distinction-class honours

Top of 2010 Class



Enthusiastic & Innovative

I like challenging tasks, never give up
and allways find a path.

EDUCATION

M.Sc. in Management Information Systems

Alexandria University & NUIG

Sept 2015 – June 2017

Advanced Statistics

Data Structures

Research Methods

Advanced Topics in Info. Sys

B.Comm. in Management Information Systems

Alexandria University

Sept 2006 – June 2010

Statistics

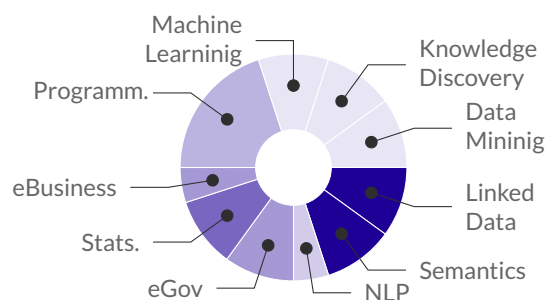
DB Design

Networks

OOP in JAVA & C#

e-Commerce

KNOWLEDGE



M.Sc.: A Government Support System based on Citizen Interactions

- Code repos.: [CPPV, CPPV ckan demo, collaboration miner, GOV-DAF]
- Technologies used:

Lang.	python, java, uml, sparql, noSQL, javascript
Frameworks	flask, ckan, ckan scheming, pip, git, mongodb
Lib.	twitter api, stanfordNER, NLTK, Ddbpedia spotlight, LDA, sigma.js
Env.	unix
Tools	pycharm, eclipse, jupyter notebook, robomongo, protege
Data types	json, rdf, owl, pdf
Algorithms	Naive Bayes, LDA topic modeling

Project: Your Data Stories

- Code repos.: [traffic data transformation]
- Technologies used:

Lang.	python
Env.	unix
Tools	pycharm, jupyter notebook
Data types	csv

Research Assistant

NewsLab - Insight Centre for Data Analytics

📅 Jan 2015 – Oct 2015 📍 Galway, IE

Project: Social Repository of Ireland

- Technologies used:

Lang.	java, nodejs, javascript, noSQL
Lib.	semantic similarity DISCO, stanfordNER, twitter api
Env.	unix, maven, npm, git, mongodb
Tools	eclipse, robomongo
Data types	json

Project: Newswire 2.0

- Technologies used:

Lang.	java, noSQL
Lib.	twitter api, stanford NER
Env.	nix, maven, git, mongodb
Tools	eclipse, robomongo
Data types	json, xml

Teaching Assistant

Computers and Information Systems Department, Alexandria University

📅 May 2011 – Jan 2015 📍 Alexandria, Egypt

- Teaching Labs for undergraduate students of Information Systems major [Systems Analysis and Design, OOP, eCommerce, DB Design and Artificial Intelligence].
- Supervising undergraduate students' graduation projects.

Oracle Applications Support Engineer

ICTP project, Faculty of Engineering, Alexandria University

📅 Nov 2010 – May 2011 📍 Alexandria, Egypt

- Maintaining, Extendeing and Adminstrating Alexandria University MIS applications and servers.

SKILLS

Strengths

Data Science Pipeline Python Java
Semantics and Linked Data

Languages

Arabic
English



REFEREES

Dr. Adegboyega Ojo

eGov Unit Leader

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Galway, IE

Prof. Mathieu D'Aquin

Insight Centre Director, and DKE Unit Leader

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✉ DKE Unit, Insight Centre Director, NUIG
Galway, IE

Dr. Wassim Derguech

Technical Project Manager, Derilinx

@ wassim@derilinx.com

✉ Derilinx, 11 Baggot Ct
Dublin, IE