

Sarah Darwish

Program Coordinator - Data Scientist - Researcher

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Education

- Master's of Science in Computer Science 2009 - 2014
University of Sharjah
Thesis: Discovering Influentials in Online Communities on Social Networks
- Bachelor of Science in Computer Science 2005 - 2009
University of Sharjah
- High School Graduate 2002 - 2005
Al Mawakeb School

Work experience

Visiting Lecturer Aug 2022 - Current
University of Sharjah - College of Computing and Informatics

Regional Learning Coordinator May 2021 - Oct 2021
Amazon - Consumer Talent Development (External Contract)

- Managed Amazon's Ascend Day 1, onboarding training program for new leaders across the MENA region (UAE, KSA, and Egypt), successfully onboarding 60 new leaders.
- Created New-joiner Resource Pack to introduce and acclimate new leaders to the use of Amazonian tools and resources.
- Designed and launched internal wiki website to increase visibility on Onboarding, Proficiency, and Mastery internal program offerings by Consumer Talent Development in MENA
- Documented 100% of program coordination processes for onboarding leaders into Ascend Day 1
- Designed new intro and exit videos for internal monthly leadership academy broadcasts

Research Assistant Oct 2020 - May 2021
Education Department - Zayed University

- Contributing to a survey paper on Student efficacy metrics among schools, as well as Higher Education institutes.
- Finding and sorting relevant literature on Student efficacy metrics in Math and Science and its effect on Student Attainment
- Finding and sorting relevant literature on Teaching efficacy metrics and its effect on Student efficacy metrics.
- Documenting and summarizing all retrieved literature using Online Reference Management Software.

Training Coordinator Dec 2015 - Jan 2019
Bukhatir Education Advancement Management

- Coordinated and set Learning and Development deployment calendar for the school academic years 15-16, 16-17, 17-18, and 18-19
- Introduced Training Administration Process that improved efficiency of training by more than 80%
- Planned and ensured smooth running of programs during Induction, Winter, and Spring L&D weeks for all five schools. Improved Staff engagement by over 65%
- Performed monthly and termly audit to ensure that records are kept for all L&D deployment, which raised L&D data integrity by 70%
- Introduced, designed, and deployed feedback mechanisms to capture trainees' feedback post-training for reporting, analysis, and improvement
- Introduced L&D survey reports measuring the impact of deployed training in conjunction with HR and school leadership, by utilizing extracted data of session details, PDRP, systems' usage, and student achievement to reveal trends in data
- Introduced Cost Analysis reports for all schools training.
- Guided BTD staff regarding L&D deployment and raised accountability for L&D processes by 70%

Languages

English
First Language

Arabic
Native Speaker

French
Spoken as a third language

Certifications

Online Teaching for Educators: Development and Delivery (Currently Pursuing)
by University of British Columbia (through edx) is a Professional Certificate obtained at the completion of three-courses:

- Online Course Development: Planning and Implementation
- Designing and Developing an Online Course
- Strategies for Online Teaching and Learning

Big Data and Education
by *University of Pennsylvania* (through edx), is a Graduate level course that discusses key methods for educational data mining and learning analytics developed by researchers in the fields of educational data mining, learning analytics, learning at scale, student modeling, and artificial intelligence in education.

Data Science Professional Certificate by *Harvard University* (through edx) that included certificates for the following courses:

- R Basics
- Probability & Statistics
- Inference & Modeling
- Data Visualization
- Linux, Git, and Github
- Data Wrangling
- Linear Regression
- Machine Learning

Applied Data Science Specialization by *IBM* (through Coursera) that included certificates for the following courses:

- Python for Data Science and AI
- Data Analysis with Python
- Data Visualization with Python

University Lecturer
University of Sharjah

Sep 2013 - Aug 2016

Department of Computer Science:

- Teaching Introduction to IT
- Programming Lab (C++)
- Programming II Lab (C++ OOP)

Department of Management Information Systems

- Teaching Introduction to Web Applications Development
- Business Data TeleCom & Networks
- Introduction to Enterprise Resource Systems
- Teaching Introduction to Database Management

Achievements:

- Reduced assignments plagiarism by 100%
- Introduced differentiation in assignments and bonus quizzes through consistent evaluation
- Assisted course coordinator in raising accountability on assessment design by 60%
- Achieved more than 90% on students' attainment of all course learning outcomes across all sections
- Introduced coding sessions in non-coding courses through bonus assignments, exposing non-CS majors to coding for the first time
- Introduced new mechanism for selecting students for National Programming Contest, and co-coached team that won 6th place.

ICT Teacher

Aug 2012 - Aug 2013

SABIS Educational Services

- Raised students attainment by 20% across Grades 6,7,8, and 9 during monthly assessments
- Reduced student behavioral issues during computer sessions by 90%
- Trained 20 students as shadow teachers
- Trained new ICT teachers for grades 6 and 7

Teaching Assistant

Sep 2009 - Dec 2011

University of Sharjah

- Reduced assignments plagiarism by 100%
- Introduced student tutorials, as well as one-to-one tutoring sessions during office hours

Research Assistant (Part-time)

Nov 2007 - Mar 2009

University of Sharjah

Data Clerk (Part-time)

Sep 2007 - Jan 2008

Career Advising & Student Training Organization -UoS

Machine Learning Fundamentals with Python - Skill Track by *DataCamp* that included certificates for the following courses:

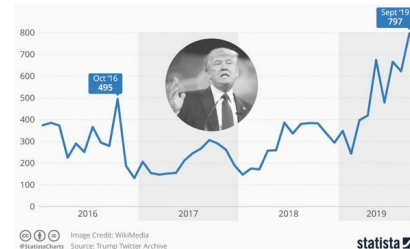
- Supervised Learning in Python
- Unsupervised Learning in Python
- Linear Classifiers in Python
- Case Study: School Budgeting with Machine Learning in Python
- Introduction to Deep Learning in Python

Skills

- Python
- R
- R Studio
- Shiny
- Ms Power BI
- Google Analytics
- Tableau
- MatLab
- Java
- C++
- HTML
- JavaScript
- Unix / Linux
- GitHub
- Ms Excel
- Ms Office Suite

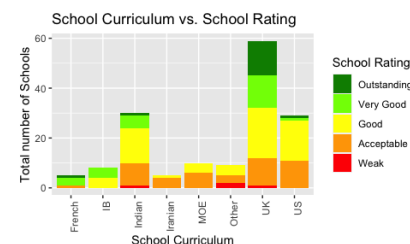
Portfolio

A few selected data analysis and infographic reports



Trump's Tweets

A lexical analysis of US President Trump's Tweets



Inspection Results Analysis in Dubai Pri..

Awards

Gulf Programming Contest - First Place

Coach (Team name: j++)

References

Furnished Upon Request