Nahed Abdelgaber

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EDUCATION

Southern Methodist University, Dallas, Texas, USA   2021-now
    PhD in Computer Science
    GPA: 4.0

Bradley University, Peoria, Illinois, USA   2019-2021
    Fulbright scholar
    Masters of computer science
    GPA: 4.0

Information Technology institute (ITI), Asyut, EG   2013-2014
    Development Diploma
    Major: Software Development

Asyut University, Asyut, EG   2006-2011
    Bachelor of Engineering
    Major: Communication
    Accumulated grade: Very good

Awards

Fulbright Scholarship   2019-2021

Bradley 10% Merit Scholarship   2019-2021

Bradley Student Scholarship Expo Dean's Award   2021

Publications

[Overview on Quantum Computing and its Applications in Artificial Intelligence](),
Nahed Abdelgaber, Chris Nikolopoulos, 198-199   2021

IEEE Artificial Intelligence and Knowledge Engineering Conference

[Calculating the Topological Resilience of Supply Chain Networks Using Quantum
Hopfield Neural Networks](), *Nahed Abdelgaber, Chris Nikolopoulos*, 61-62   2021
2021 4th International Conference on Artificial Intelligence for Industries (AI4I)

PROFESSIONAL HISTORY

SMU, Dallas, Texas   Sep 2021 – now
Research Assistant
- ❖ Conduct NLP Research for NASA Projects
- ❖ Provide ready access to all experimental data for the supervisor
- ❖ Attend area seminars and other meetings as necessary
- ❖ Prepare other articles, reports, and presentations

Teacher Assistant   Feb 2022 – now

- ❖ grade Senior Design Class students
- ❖ Help teams achieve project activities adhering software development cycle
- ❖ guide students through coding, designing and using Jira in their projects

MO4 Network, Cairo, EG   Apr 2018 – June 2019
Lead AI Software Engineer
- ❖ Lead the developing environment.
- ❖ Handle tasks between team members.
- ❖ Create Intelligent engines in English.
- ❖ Search the appropriate algorithm to deal with and implement it efficiently. evaluating the model.
- ❖ Tweak Machine Learning algorithms to work with such language

Botler.IO, Cairo, EG   Jan 2018 – Apr 2018
AI Engineer
- ❖ Aspect Detection and text to speech engines in Arabic language.
- ❖ Tweak Machine Learning algorithms to work with such language.
- ❖ Preprocess data for Arabic machine learning model.
- ❖ Provide sentiment analysis.
- ❖ Lead team of developers and handle tasks between them.

Sypron Solutions, Cairo, EG   Jun 2017 – Jan 2018
Machine Learning Software Engineer
- ❖ design and build applications and services related to predictive maintenance.
- ❖ Conduct critical surveys about state-of-the-art machine learning approaches applied to predictive maintenance.
- ❖ Design, and develop novel algorithms.
- ❖ Contribute in gathering and determining requirements for new features in Sypron systems.
- ❖ Develop and document intellectual property for predictive maintenance.

IST Network, Cairo, EG   Aug 2016– May 2017
R&D Software Engineer
- ❖ Provide sentiment analysis.

- ❖ Aspect Detection and text to speech engines in Arabic language.
- ❖ Create Intelligent engines in Arabic.
- ❖ Tweak Machine Learning algorithms to work with such language.
- ❖ Search the appropriate algorithm to deal with and implement it efficiently.
- ❖ Report what kind of generalization, we have.

Kngine, Cairo, EG   Jan 2015 – Apr 2016
R&D Software Engineer
- ❖ Search problems related to semantic web.
- ❖ Semantic web classification and using deep neural networks.
- ❖ Implement the algorithm taking in consideration the running time and the algorithm accuracy.

VOLUNTEER ACTIVITIES

Cairo Runner org., Cairo.EG   2019
Event volunteer
- ❖ Share and contribute to social awareness of running as sport.
- ❖ Guide and cheer the runner in the marathons inside the city of Cairo.

Sahara survival school org., Cairo.EG   2018

Volunteer
- ❖ Outdoor activity planner.
- ❖ Camping contributes to environmental awareness.

IEEE WORLD CONGRESS ON SERVICES CONFERENCE, virtual conference   2021

- ❖ Responsible for different conference track at each day of the conference.
- ❖ Start the session as a moderator incase the session chair can't make it.
- ❖ help the session chair if there is any technical issues

SKILLS

Machine Learning**,** Artificial Intelligence, Algorithms, Graphs, Linear Algebra, Python Deep Learning, NLP, Computer Vision, Play Framework, Java Programming(OOP), Project Management, Python, Requirement Engineering, Problem Solving, Pytorch, IBM Rational, Microsoft Visio.