NOHA SEDDIK ABDELSALAM

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Alexandria, Egypt

OBJECTIVE

Noha Seddik Tawfik was born on November 5th, 1988, in Alexandria, Egypt. She attended the Arab Academy For Science, Technology and Maritime Transport where she obtained a Bachelor's and a Master's degrees in Computer Engineering in 2011 and 2014, respectively. She wrote her Master's thesis on the Automated Detection of Epileptic Seizure in EEG Integrating Weighted Permutation Entropy and Support Vector Machine Classification, a biomedical problem that required analysis of patient's EEG data to determine the onset zone defined as the focal starting point of epileptic seizure. In 2016, she started her research as a part-time PhD candidate at the department of Information and Computing Sciences of Utrecht University. Noha worked remotely from Egypt and scheduled regular video calls with her supervisor to discuss research progress. She also visited Utrecht University twice per year for a period of a month each time. During her visits, Noha joins the department's research meetings and the ADS lab colloquia. In the course of her time as a PhD researcher, She presented her work at various international scientific meetings, including the BioNLP workshop co-located with the 62nd Annual Meeting of the Association of Computational Linguistics. Simultaneous to doing her research, Noha has been acting as a teaching assistant at the department of Computer Engineering in her home university

EDUCATION

2016-2020	Utrecht University, Computer Science Department, Utrecht, The Netherlands Ph.D. in Computer Science Dissertation title: *Text Mining for Precision Medicine: Natural Language Processing, Machine Learning and Information Extraction for Knowledge Discovery in the Health Domain*
2011–2014	Arab Academy for Science and Technology (AAST), Computer Engineering, Alexandria, Egypt Master of Science in Computer Engineering Dissertation title: *Automated Detection of Epileptic Seizure in EEGIntegrating Weighted Permutation Entropy and Support Vector Machine Classification*
2006–2011	AAST, Computer Engineering Department, Alexandria, Egypt Bachelor of Engineering, Awarded Gold medal as the top ranked candidate (*first*) in the graduating class

PROFESSIONAL/RESEARCH EXPERIENCE

12/2020-Present	**Lecturer, Computer Engineering, AAST, Alexandria, Egypt** • Teaching and tutoring various courses including Applied Programming, Data Structure, Systems Programming and Cybersecurity • Mentoring group projects with the students, linking the technology-oriented aspects with real life needs. • Registering and providing academic guidance for the students • ABET coordinator for education quality.
2011–2020	**Teacher Assistant, Computer Engineering, AAST, Alexandria, Egypt** • Teaching and co-tutoring various courses • Academic advisor.
08/2010 – 10/2010	**Trainee in Unilever-Mashreq IT department, Alexandria, Egypt**

	• Worked on the Sap " System Application & Products" software during its testing phase in the company
07/08-09/2008	**Researcher at EPFL (Ecole Polytechnique Federale de Lausanne), Lausanne, Switzerland**

- Awarded a scholarship to the Summer Research Program , School of Life Science
- Part of The research group "Studying And Modeling The Binding Landscape Of DNA Binding Proteins under the supervision of professors Vassily Hatzimanikatis and BartDePlancke
- Constructed a Simulation Model for the Transcription Factors Movement using MATLAB
- Learnt the necessary skills to write a scientific paper, prepare and present work to non-technical users, appreciate the value of team work in academia

COMPUTER SKILLS

Operating Systems: Windows and Linux variants
Languages: ASP.NET, C#, Java, HTML, Python, Matlab
Database and Client/Server Technologies: Oracle (SQL), MSSQL, MySQL, Apache and Microsoft IIS
Software Tools: Matlab, MS Visual Studio, NetBeans, Eclipse, Matlab, NetBeans (Automatic Code generation using UML), XILINIX, Visio, SmartDraw, Texmaker (Latex generator), MS Office, etc.

PUBLICATIONS AND SELECTED PROJECTS

2020	Tawfik, N. S., & Spruit, M. R. *Computer-assisted Relevance Assessment: a Case-study of Updating Systematic Reviews.* Applied Sciences, 10 (8), 2845.
	Tawfik, N. S., & Spruit, M. R. *Evaluating Sentence Representations for Biomedical Text: Methods and Experimental Results.* Journal of Biomedical Informatics, 103396.
2019	Tawfik, N. S., & Spruit, M. R., *UU TAILS at MEDIQA 2019: Learning Textual Entailment in the Medical Domain.* In Proceedings of the 18th BioNLP workshop and Shared Task (pp. 493–499).
	Tawfik, N. S., & Spruit, M. R. *PreMedOnto: A Computer Assisted Ontology for Precision Medicine.* In International Conference on Applications of Natural Language to Information Systems (pp. 329–336). Springer, Cham.
	Tawfik, N. S., & Spruit, M. R. *Towards Recognition of Textual Entailment in the Biomedical Domain.* In International Conference on Applications of Natural Language to Information Systems (pp. 368–375). Springer, Cham.
2018	Tawfik, N. S., & Spruit, M. R. *Automated Contradiction Detection in Biomedical Literature.* In International Conference on Machine Learning and Data Mining in Pattern Recognition (pp. 138–148). Springer, Cham.
	Tawfik, N. S., & Spruit, M. R. *The SNPcurator: Literature mining of enriched SNP-disease associations*. Database, 2018.
2016	Tawfik, N. S., Youssef, S. M., Kholief, M. *A hybrid automated detection of epileptic seizures in EEG records*. Computers Electrical Engineering, 53, 177-190.