

CURRICULUM VITAE

Malak A. Abdullah, Assistant Professor

Jordan University of Science and Technology

Computer Science Department

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EDUCATION

- | | |
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| Doctor of Philosophy, Computer Science
University of North Carolina at Charlotte (UNCC), NC, USA
Dissertation: Deep Learning for Sentiment and Emotion Detection
In Multilingual Contexts. | 2018 |
| Master of Science, Computer Science
Jordan University of Science and Technology (JUST), Irbid, Jordan
Thesis: The Chained-Cubic Tree: A New Interconnection Network.
<i>With honors</i> (ranked <i>first</i>) | 2007 |
| Bachelor of Science, Computer Science and Information Systems
Jordan University of Science and Technology (JUST), Irbid, Jordan
<i>With honors</i> | 2004 |

PROFESSIONAL EXPERIENCE

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| Assistant Professor
Jordan University of Science and Technology
Computer science Department | 2018 – Present |
| Graduate Research Assistantship
University of North Carolina at Charlotte | 2017 –2018 |
| Graduate Teaching Assistantship
University of North Carolina at Charlotte | 2016 –2017 |
- TA for Network Based Application Development ITIS 5166 (Spring-2016)
 - TA for Data Structures and Algorithms ITSC 2214-101 (Fall-2016)
 - TA for Introduction to Operating Systems and Networking ITSC 3146 (Spring-2017)

Full-Time Instructor 2007 –2014

Jordan University of Science and Technology (JUST)

- Taught computer science and information systems courses at undergraduate level:
 - **First Year Courses:** Computer Skills, Introduction to Computer Science (C++ language), Introduction to Computer Science Lab (C++ language), Object Oriented Programming Languages, Object Oriented Programming Languages Lab, C++ for non-computer science students, and Visual Basic for non-computer science students.
 - **Second Year Courses:** Algorithms and Data structures, Web Design, Data Structures lab, and Java Programming language.
 - **Fourth Year Courses:** Programming Challenges, and Expert Systems.

- Coached JUST teams for ACM programming competitions. 2011- 2014
 - Trained teams for the local and global competitions.
 - Organized team meetings and training sessions.
 - Volunteered to teach C++ programming.
 - Evaluated and reported team performance and results.

Graduate Teaching Assistant 2005 – 2007

Jordan University of Science and Technology (JUST)

- Assisted with conducting and grading the labs for computer science courses including: computer skills, Compilers, and computer architecture.
- Worked on parallel processing research project to study and develop interconnection networks.
- Organized help sessions for students on visual basic and C++ programming.

Computer Lab Supervisor 2004 – 2005

Zarqa Private University, Jordan

- Supervised computer labs and ensured the periodical maintenance of lab software.
- Designed posters and brochures for the school.
- Served as an administrative clerk for the Arab Conference on Information Technology (ACIT), and The International Arab Conference on Information Technology (IAJIT).

HONORS AND AWARDS

Scholarship Award for PhD Degree at UNCC 2015 – 2018

Jordan University of Science and Technology, Irbid, Jordan

ACM Jordan Collegiate Programming Contest (JCPC) Awards for Coaches 2011 – 2015

Jordan University of Science and Technology, Irbid, Jordan

Ranked with *highest* student evaluation in Computer Science Department 2008 – 2014

Jordan University of Science and Technology, Irbid, Jordan

Jordan University of Science and Technology Graduate Fellowship 2005 – 2007

Jordan University of Science and Technology, Irbid, Jordan

TECHNICAL SKILLS

- Excellent knowledge of Windows, Mac OS, MS Office (2000, NT, XP, 2010, 2013).
- Programming skills in Java, R, Python, PHP, JSP, Servlets, C++, Oracle, Visual Basic, and HTML.
- Good Knowledge in Scripting using JavaScript Language (DHTML).

LANGUAGES

- Arabic (Mother language)
- English (reading, writing, speaking).

RESEARCH INTERESTS

Data Science, Social Network Analysis, and Natural Language processing

Sentiment analysis of Twitter (English/Arabic) feeds to analyze the general decision impact on people

Complex Adaptive System

Studying how parts of a system give rise to the collective behaviors of the system, and how the system interacts with its environment.

Parallel Computing

Proposition and analysis of a new interconnection network, referred to as the Chained-Cubic Tree interconnection network (CCT)

COMMUNITY SERVICES

Programming Camp at Jordan University of Science and Technology (JUST) 2014

Coordinated and supervised a training camp inside the university to train students for international programming contests.

Honoring Ceremony for Janitors at Jordan University of Science and Technology (JUST) 2013

Planned and coordinated a ceremony to honor all janitors working at School of Information Technology.

PUBLICATIONS

Malak Abdullah, Mirsad Hadzikadic, and Samira Shaikh. "SEDAT: Sentiment and Emotion Detection in Arabic Text using CNN-LSTM Deep Learning", Proceedings of the 17th IEEE International Conference on Machine Learning And Applications, 2018

ElTayebby, Omar, Todd Eaglin, **Malak Abdullah**, David Burlinson, Wenwen Dou, and Lixia Yao. "A feasibility study on identifying drinking-related contents in Facebook through mining heterogeneous data" In Health informatics journal: 1460458218798084. 2018

Malak Abdullah, and Samira Shaikh. "TeamUNCC at SemEval-2018 Task 1: Emotion Detection in English and Arabic Tweets using Deep Learning", Proceedings of the 12th International Workshop on Semantic Evaluation, 350-357, 2018

Malak Abdullah, and Mirsad Hadzikadic. "Sentiment Analysis of Twitter Data: Emotions Revealed Regarding Donald Trump during the 2015-16 Primary Debates", Tools with Artificial Intelligence (ICTAI), 2017 IEEE 29th International Conference on. IEEE, 2017.

Malak Abdullah, and Mirsad Hadzikadic. "Sentiment Analysis on Arabic Tweets: Challenges to Dissecting the Language." In International Conference on Social Computing and Social Media, pp. 191-202. Springer, Cham, 2017

ElTayebby, Omar, Todd Eaglin, **Malak Abdullah**, David Burlinson, Wenwen Dou, and Lixia Yao. "Detecting Drinking-Related Contents on Social Media by Classifying Heterogeneous Data Types." In International Conference on Industrial, Engineering and Other Applications of Applied Intelligent Systems, pp. 364-373. Springer, Cham, 2017.

M. Abdullah, E. Abuelrub, and B. Mahafzah, "The Chained-Cubic Tree: A New Interconnection Network", The International Arab Journal of Information Technology (IAJIT), vol. 8, no. 3, Jul. 2011.

M. Abdullah, "The Chained-Cubic Tree: A New Interconnection Network (Master Thesis)", Jordan University of Science and Technology (JUST), Irbid, Jordan, 2007.