CURRICULUM VITAE

Malak A. Abdullah, PhD Student

University of North Carolina at Charlotte, NC, USA
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EDUCATION

Doctor of Philosophy, Software and Information Systems　　　　2015- present
University of North Carolina at Charlotte (UNCC)

Master of Science, Computer Science　　　　2007
Jordan University of Science and Technology (JUST)
Thesis: The Chained-Cubic Tree: A New Interconnection Network.
With honors (ranked *first*)

Bachelor of Science, Computer Science and Information Systems　　　　2004
Jordan University of Science and Technology (JUST)
With honors

PROFESSIONAL EXPERIENCE

Graduate Teaching Assistantship　　　　2016 –2017

University of North Carolina at Charlotte

- 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

Healthcare Systems
Development of an Artificial Intelligent System for children with autism

Data Science and Big Data
Sentiment analysis of Twitter feeds to analyze the general decision impact on people

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   2014
Science and Technology (JUST)

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

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

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

PUBLICATIONS

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

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

ElTayeby, 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.