

Ismail M. Abumuhfouz

CONTACT INFORMATION

Computer Science Department
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EDUCATION

University of Kentucky – Lexington, KY

- *Ph.D. Candidate at University of Kentucky.*
- *Master of Science in Computer Science, 2015.*
- *Graduate Certificate in College Teaching and Learning, 2014.*

Sullivan University - Lexington, KY

- *Master of Business Administration (M.B.A), 2009 (Summa Cum Laude).*

Al Al-Bayt University- Mafraq, Jordan

- *Master of Science in Computer Science, 2005*
- *B.Sc. in Computer Science, 2002.*

WORK EXPERIENCE

Bowling Green, Kentucky Western Kentucky University, Computer Science Department

Aug 15 – Now

Instructor

- Teach multiple sections of CS146 (Introduction to Programming), CS170 (Problem Solving and Programming) and CS180 (Computer Science I).
- Prepare course syllabus, lectures, labs assignments, homework, programming assignments and exams, in addition to develop handout material and maintain classes' web pages.
- Supervise TA.
- Observe and evaluate student performance in meeting course objectives and student learning outcomes through assignments, projects, and examinations; provide feedback in a timely manner to student inquiries in class, online, or during established consultation office hours.

Lexington, Kentucky University of Kentucky, Computer Science Department

Jan 11 – Aug 15

Primary Instructor and a Teaching Assistant (TA)

- Developed course syllabus, prepared lectures, labs assignments, homework, programming assignments, exams and maintained webpage for CS101 (Introduction to Computers), CS115 (Introduction to Computer Programming), and CS215 (Introduction to Program Design, Abstraction, and Problem Solving) to meet the college and the department standards.
- Run the lab, held office hours and assessed students' progress by grading projects, lab and tests and providing them with detailed feedback.

Lexington, Kentucky Sam's Satellite & Electronics

Jan 09 – Jan 10

IT Manger

- Solicited information about computer needs from customers and suppliers.
- Advised customers on technical matters and recommends appropriate computer configurations.
- Supervised other regular employees; duties included recommending applicants for employment or for discipline, termination or retention.

- Investigated new items and makes recommendations for purchasing products.

Amman, Jordan
The Arab College
Instructor

Oct 04 – Jun 07

- Instructed courses in the fundamentals of computer science, software applications, database design, systems analysis and design, operating systems, computer networking and security. E-Commerce and computer programming languages (Java, Visual basic, VB.Net, C, C++, CCS, HTML, XML, Java script and PHP).
- Advised and assisted students in achieving stated course objectives. Evaluated the progress of each student and notified students in need of counseling services and/or tutorial assistance.
- Assisted in the marketing and promotion of the IT programs by participating in special college sponsored events.
- Completed various reporting procedures as required for student evaluation and course reporting
- Selected with 3 other instructors among the whole country to write the Jordanian National General Exam (Al-Shamel) for the IT associate degree in 2006.

Amman, Jordan
Albattel for Training and Development
IT Manager

Jan 06 – Jun 07

- Involved in system analysis and design for the company various projects. Participated in user requirements gathering, writing functional specifications, and technical specifications.
- Administrated, supervised and evaluated projects' team.
- Involved in the day to day administration of the IT activities.
- In charge of hiring, training and discipline of all IT employees.

Amman, Jordan
Yafa Medical Lab
Team Leader

Jun 04 – Dec 05

- Involved in the lab medical system analysis and design. Participated in user requirements gathering, writing functional specifications, and technical specifications.
- Analyzed, designed, implemented and deployed a networked system using visual basic. The system provides services that manipulate the whole patients-lab process involving getting/updating data, issuing report, insurance companies.

PUBLICATIONS

- Kiho Lim, **Ismail Abumuhfouz**, D. Manivannan, “Secure Incentive-Based Architecture for Vehicular Cloud”, International Conference on Ad Hoc, Mobile, and Wireless Networks (ADHOC-NOW) 2015, 2015.
- **Ismail Abumuhfouz**, Kiho Lim, “Protecting Vehicular Cloud Against Malicious Nodes Using Zone Authorities”, IEEE SouthEastCon 2015, 2015.
- Kiho Lime, **Ismail Abumuhfouz**. “STORS: Secure Token Reward System for Vehicular Clouds”, IEEE SouthEastCon 2015, 2015.
- **Ismail Abumuhfouz**, “Feedforward Generalization Scaling & Performance Enhancement of Neural Networks”, Master Thesis, Al-Albyat University- Jordan, 2005.

MEMBERSHIP AND SERVICES

- Member of Association for Computing Machinery (ACM)
- Member of IEEE.
- Served as a Microteaching Group Leader, University of Kentucky 2012-2014.

- Served in a panel of experienced TAs at the University of Kentucky wide IOT (International Teaching Assistance) Orientation, 2012-2014.
- Business Advisory Board, Sullivan University 2008-2013.

HONORS & ACHIEVEMENTS

- Third prize in 28th Annual Eastern Kentucky University Symposium in Mathematical, Statistical and Computer Sciences, 2015
- Teaching Assistance Scholarship, University of Kentucky Department of Computer Science 2011-2015.
- Student travel support from Graduate School Fellowship, University of Kentucky, April 2015.
- ACM Outstanding Teaching Assistant, University of Kentucky-Department of Computer Science 2013.
- Instructor of the year, The Arab College - Amman Jordan, 2007.