

Rana K. AlKarem

◆ Contact information

Email: rkalkarem@just.edu.jo

◆ Experience

◆ Network Engineering and Security

Feb. 2013 – Present

Position: Full-Time Lecturer

Company: Jordan University of Science and Technology (JUST), Jordan

Courses: Network Programming, Probability and Queueing Theory, and Introduction to UNIX system,

▪ Computer Science & Computer Information Systems

Sep. 2010 – Feb. 2013

Position: Part-Time Lecturer

Company: Jordan University of Science and Technology (JUST), Jordan

Courses: Data Structure and Algorithm, Object Oriented Programming, Introduction to C++ Programming language, Visual Basic Programming language and Computer skills.

▪ Computer Engineering

Feb. 2009 – Aug. 2010

Position: Research Assistant

Company: Jordan University of Science and Technology, Jordan

Specialization: UNIX programming, Memory Security

▪ Computer Science and Engineering (CSE)

Jan. 2008 – Aug. 2008

Position: Graduate student/Teacher Assistant

Company: University of Texas at Arlington, U.S.A.

Courses taken: Advanced Algorithms, Computer Graphics, and Computation Theory.

▪ Win32/API and C++ programming

Feb. 2004 – Aug. 2004

Position: Trainee

Company: Lead Technologies, Amman, Jordan

Specialization: Image Processing

• Education

▪ M.S. in Computer Science and Engineering

Sep. 2008 – Aug. 2010

University: Jordan University of Science and Technology (JUST), Jordan

Dissertation: A Software Approach to Stack Memory Based on Duplication and Randomization

GPA: Excellent (91.7%)

▪ Web Database Developer Online Program

Aug. 2008 – Aug.2009

University: University of Texas at Arlington, U.S.A

Credit Hours: 269 completed

Courses included: Web Publishing and Design with HTML and XHTML, Dreamweaver, Java Script, AJAX, Dynamic HTML, SQL, CGI/Perl, ColdFusion MX, PHP and MySQL, Flash, and XML

▪ B.S. in Computer Engineering

Sep. 2001 – Aug. 2005

University: Yarmouk University, Jordan

Graduate Project: Office Monitoring/Image Processing

GPA: Very Good (80.3%)

• Publications

- "A SOFTWARE APPROACH FOR STACK MEMORY PROTECTION BASED ON DUPLICATION AND RANDOMIZATION", Int. J. of Internet Technology and Secured Transactions, 2016
- "Low power receiver for wireless sensor network implemented by Nano-Scale CMOS process", 5th International Conference on Information and Communication Systems, ICICS 2014.