

RAKAN A. ALSEGHAYER

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EDUCATION

University of Pittsburgh – Pittsburgh, PA

August 2014 – Present

- Ph.D. in Computer Science, The Department of Computer Science.

University of Pittsburgh – Pittsburgh, PA

May 2011 – April 2013

- M.Sc. in Information Sciences, School of Information (concentration on Information Security and Networking), GPA: 3.98

University of Washington – Seattle, WA

October 2010 – March 2011

- Business for International Professionals course, Educational Outreach
- Fundamentals of Project Management course, Educational Outreach.

University of Washington – Seattle, WA

January 2010 – September 2010

- ELP Campus Intensive English Program “IEP”

King Saud University, Riyadh, Saudi Arabia

August 2004 – June 2008

- B.Sc. in Computer Science with Second Class Honor, College of Computer and Information Sciences, GPA: 4.68/5.00

CONFERENCE AND WORKSHOP PUBLICATIONS

- R. Alseghayer, D. Petrov, P. K. Chrysanthis. "Strategies for Detecting Correlated Data Streams." Proc of the 5th Intl Workshop on Exploratory Search in Databases and the Web (ExploreDB '18), June. 2018. (Co-located with ACM SIGMOD 2018).
- R. Alseghayer, D. Petrov, P. K. Chrysanthis, M. Sharaf, A. Labrinidis. "Detection of Highly Correlated Live Data Streams." Proc of the 11th Intl Workshop on Real-Time Business Intelligence and Analytics (BIRTE '17), pp. Aug 28th - Sept 1st. 2017. (Co-located with VLDB 2017).
- D. Petrov, R. Alseghayer, M. Sharaf, Panos K. Chrysanthis, A. Labrinidis. "Interactive Exploration of Correlated Time Series." Proc of the 4th Intl Workshop on Exploratory Search in Databases and the Web (ExploreDB '17), pp. 14–19, May. 2017. (Co-located with ACM SIGMOD 2017).

TEACHING

University of Pittsburgh, Pittsburgh, PA

September 2015 - Present

- Teaching Assistant, The Department of Computer Science.
 - Fall 2015: CS1645/CS2045: Introduction to High Performance Computing.
 - Fall 2016: CS1645/CS2045: Introduction to High Performance Computing
 - Fall 2017: CS1501: Algorithm Implementation

King Saud University, Riyadh, Saudi Arabia

January 2012 – Present

- Teaching Assistant, College of Computer and Information Sciences, Department of Computer Science.
 - Fall 2013: CS111: programming -1- (Recitation)
 - Fall 2013: CS 215: Procedural Programming using C Language (Lab)
 - Spring 2014: CS 113: programming -2- (Lab).
 - Spring 2014: CS 311: Design and Analysis of Algorithms (Recitation)

WORKING EXPERIENCE

Advanced Electronics Company Ltd. (AEC), Riyadh,
Saudi Arabia

October 2008 – July 2009

- Associate Software Engineer, Systems Development, R&D Department:
 - Developed parts of the DCU “Data Collection Unit” as well as the communication part “TCP/IP” under the .Net environment. This was for the project (ADDAD4), which is an Energy Smart Meter System. Also, worked with the military sector in developing some military communication systems.

TRAINING EXPERIENCE

Etihad Etisalat “Mobily”, Riyadh, Saudi Arabia

Summer 2007

- Trainee in the “ERP” department:
 - Developed a knowledge base application under the .Net environment where the ERP team can log their day-to-day problems and challenges with their resolutions.

SKILLS AND LANGUAGES

- Programming: Java, C++, Python, C, and SQL.
- HPC: OpenMPI.
- Security: Secured Java, Cryptography.
- Computer Networks: TCP/IP programming, Traffic and Packet Monitoring (Wireshark, IPTraf), Performance Analysis, Routing Protocols, and Cisco routers.
- English: (Excellent level) speaking and writing. (6 out of 9 IELTS).
- Languages: Arabic (Native), English (Fluent), Spanish (Beginner).

AWARDS

- NSF Scholarship award for attending BIRTE 2018 workshop (co-located with VLDB 2018).
- Member of the “Outstanding Students 2013” in the Saudi Arabian Cultural Mission for graduating from one of the top ten universities in the Information Science field.
- Dean’s List for Excellence at the College of Computer and Information Sciences for obtaining a high GPA, King Saud University (2007).

CERTIFICATES

- CNSS 4011 Information Systems Security Professional, CNSS 4012 Designated Approving Authority, CNSS 4013 System Administrator in Information Systems Security, CNSS 4014A Information Systems Security Officer, CNSS 4015 System Certifier.

INTERESTS

- Big data management, time series analysis, database management systems, data stream management systems, distributed systems, cloud computing, high performance computing (HPC), reliability, computer and information security.

REFERENCES

- References are available upon request.