

# RAKAN A. ALSEGHAYER

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## EDUCATION

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- **[May 2011 – April 2013]:**  
University of Pittsburgh, Pittsburgh, PA, USA – M.Sc. in Information Sciences, School of Information Sciences (concentration on Information Security and Networking), GPA: 3.98
- **[October 2010 – March 2011]:**  
University of Washington, Seattle, WA, USA – Business for International Professionals course, and Fundamentals of Project Management course, Educational Outreach.
- **[January 2010 – September 2010]:**  
University of Washington, Seattle, WA, USA – ELP Campus Intensive English Program “IEP”.
- **[2004 - 2008]:**  
King Saud University, Riyadh, Saudi Arabia – B.Sc. in Computer Science with Second Class Honor, College of Computer and Information Sciences, GPA: 4.68/5.00

## WORKING EXPERIENCE

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- **[January 2012 – Present]:**  
King Saud University, Riyadh, Saudi Arabia – Teaching Assistant, College of Computer and Information Sciences, Department of Computer Science.
  - Taught programming -1- (tutorials and labs) and procedural programming lab using C. Now, I’m teaching programming -2- (tutorials and labs) as well as Algorithm Design tutorials for computer science students.
- **[October 2008 – July 2009]:**  
Advanced Electronics company Ltd. “AECL”, Riyadh, Saudi Arabia – 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

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- **[Summer 2007]:**  
Etihad Etisalat “Mobily”, Riyadh, Saudi Arabia – 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

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- Programming: Java2SE, Java2EE, Java for Android (ADT), C++, C, .Net, and SQL.
- Security: Secured Java, Cryptography, Critical Infrastructure Protection, Availability Analysis, Computer Networks Security, and IDS.
- Computer Networks: TCP/IP programming, Traffic and Packet Monitoring (Wireshark, IPTraf), Performance Analysis, Routing Protocols, and Cisco routers.
- Telecommunications: Wireless Communication Concepts (e.g. LTE, UMTS, GSM), Queuing Models, and Teletraffic Engineering.
- Languages: Arabic (Native), English (Fluent).

## AWARDS

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- 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.
- Deans List for Excellence at the College of Computer and Information Sciences for obtaining a high GPA, King Saud University (2007).

## CERTIFICATES

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- 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

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- Computer and Information security, Information Assurance.

## REFERENCES

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- References are available upon request.