

# Résumé

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## Personal Information

Abdullah O. Alshalan

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## Education

**August, 2009 – Now**

Computer science PhD student at Arizona State University.

**September, 2007 – May, 2009**

Master of Science in Computer Science

Indiana University, Bloomington, IN

**September, 1999 – June, 2003**

Bachelor degree in Computer Science with honor degree.

College of Computer and Information sciences, King Saud University, Riyadh, Saudi Arabia

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## Work Experience

**August, 2008 – May, 2009**

**Associate Instructor**, Computer Science Dept., School of Informatics, Indiana University, Bloomington, IN

- Teaching the lab of the course Introduction to Computers and Computing, which includes HTML and MS Office applications.

**August, 2005 – August, 2006**

**Teaching Assistant**, Department of Computer Sciences, College of Computer and Information Sciences, King Saud University, Riyadh, Saudi Arabia

- Teaching the lab of the following courses:
  - Introduction to Object Oriented Programming using Java
  - Advanced topics in Object Oriented Programming using Java

**June, 2003 – August, 2005**

**Information Security Engineer**, Department of Information Security Services, Al-Elm Information Security, Riyadh, Saudi Arabia

- Conducting Security Auditing, Vulnerability Assessment and Penetration Testing.
  - Designing information security policies, systems hardening procedures, incident handling procedures and Security awareness materials.
  - Performing several awareness seminars.
  - Acting as Privacy Officer.
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## Awards

- Teaching Assistantship, Indiana University, 2008.
- National Winner, King AbdulAziz Competition for Scientific Creativity, King AbdulAziz and his Companions Organization for Talented, 2004
- Best Open Source Project, Saudi Linux Group, 2004
- Honors Degree, King Saud University, 2003 (Graduation)
- Best Graduation Project Award, King Saud University, 2003
- Scientific Excellence Award, King Saud University, 2000
- Scientific Excellence Honor, Ministry of Education, 1997

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## Accomplished Projects

### Professional

- Security Auditing of The IT Infrastructure of Al-Rajhi Bank, 2004
- Data Protection Assessment for more than twenty Insurance Companies, 2003 – 2005

### Academic – Graduate

- Biometric Science and Keystroke Dynamics: Evaluating the Effectiveness of Keystrokes as an Authentication Mechanism. We were able to break a market-product authentication system that uses keystroke as a way to authenticate bank customers. 2007
- Enhancing the security and privacy in the Electronic Voting System, PRIME III. Instead of the bouncy castle API, we used IBM 4758 PCI Cryptographic Coprocessors to do the encryption/decryption of the ballots, authentication using PKI and ballots integrity. We also added secure logs for trace the changes. We replaced the Video Audit Trail with Voter Verified Paper Audit Trail to ensure the privacy the voters. We added features to authenticate the paper ballots. 2008
- Several network projects including: Reliable File Transfer Protocol that uses UDP, public traceroute server, TLS server and client and Packet analyzer. 2008
- Video Control Panel: An easy-to-use control panel that enhances the privacy of the elders who are monitored in their homes. 2009

### Academic – Undergraduate

- Linux personal firewall (Linux Alarm), 2002 / 2003: Available at: <http://sourceforge.net/projects/linuxalarm>.
- Cryptanalysis Tool, 2002
- A Compiler for a subset of Pascal, 2002
- Web Information Retrieval System, 2002
- Web-based Car Rental System, 2001

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## Personal skills and competences

### Languages

English, Arabic

### Organizational skills

- I am able to work individually and in a team.
- I can work efficiently with or without supervision.
- I am a self-learner, I can easily learn new technologies and I like challenge.

### Technical skills

**Programming and Scripting Languages:** Scheme, Java, C, C++, C#, Pascal, PHP, xHTML, CSS, Tapestry Framework

**DBMS:** MySQL, MS Access

**IDE:** Delphi, C++ Builder, Eclipse, KDevelop, QT Designer

**OS Platforms:** Windows, Linux, Mac

**Miscellaneous:** Adobe Photoshop, MS Office, MS FrontPage

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## References

Will be presented upon request