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#### Education:

- B. Sc. In Electrical & Electronics Engineering-Computer Engineering, Aleppo University 1998.
- Diploma in the Automation & Industrial Electronics, Aleppo University 2000 (thesis on neural networks).
- Diploma in Computer Engineering, Aleppo University 2005 (thesis on expert systems).

#### Technical Skills:

**Language:** R-Language, Perl, Visual Basic, VBA, Prolog.

**Database:** MySQL, Microsoft Access, SQLite.

**Tools:** GenStat, Adobe Dreamweaver & Photoshop, BioPerl.

**Internet:** HTML 5, PHP, JavaScript, CSS, Apache, CVS/SVN, Xdebug, PHPUnit, PHPDocumentor, CakePHP.

**Operating Systems:** Windows (9x, NT, W2K, XP, 7), Linux (Fedora, Suse, Ubuntu).

#### Work Experience:

- International Center for Agricultural Research in the Dry Area [www.icarda.cgiar.org](http://www.icarda.cgiar.org) (ICARDA), Aleppo, Syria, Specialist – Experimental Research Informatics, Aug 2002 - Present.
  - » Provide biometrics support for developing Genetic Resources, Crop and Genomic Information and Analysis Systems at ICARDA.
  - » Participate in database and web-based system development on Internet and Intranet. This includes develop several dynamic websites for international partners.
  - » Develop ICARDA BioComputing service, which provides an access to the power of customized GenStat scripts in a web platform, and present it in a several courses inside and outside Syria.
  - » Participate in training ICARDA and NARS staff by deliver practical sessions in ICARDA biometrics courses using GenStat statistical package as well as develop training materials. Topics include correlation & regression, ANOVA, clustering, PCA, etc... Courses includes: Iran Mar 2004, Asmara Feb 2005, GCSAR-Syria Nov 2005 & Jun 2007, INRAA-Algeria Feb 2007, ARC-Libya Mar 2007 & Mar 2010, IRESA-Tunis Oct 2008, Bahrain Mar 2009, Tashkent Jun 2009 & Feb 2011, Dubai Oct 2011, IIPR-India Oct 2011, and all ICARDA HQ courses since 2003 (more than 500 trainees).
- PHP and Arabic language project [www.ar-php.org](http://www.ar-php.org), founder and leader, Feb 2006 - Present.
  - » We develop an open source solutions and provides professional support helps small and medium size companies meet the complex challenge of developing professional Arabic websites in the PHP/MySQL environment by providing set of classes includes render Arabic text (PDF, GD, SWF), advanced Arabic search (stem based), Arabic text auto summarization, present dates in Arabic or Hijri, Arabic/English transliteration, spell numbers in Arabic idiom, phonetically alike Arabic words, identify names & places in Arabic text, extract Arabic text from UTF-8 docs, and more...
- Teaching PHP hands-on and advanced in several training centers (includes ExecuTrain, Zoom, CPC, GSIBC, Manarat, etc...) for more than 150 trainees since 2003 (see PHP Aleppo Google Group).
- Business Optimization Consultants (B.O.C) [bocme.com](http://bocme.com), Aleppo, Syria, Website security specialist, Dec 2004 – Aug 2005.
  - » I am responsible to take care about websites security issues in addition to increase the efficiency of the development environment (implement CVS system, set a procedures and standards).
- Ray publishing and science [www.raypub.net](http://www.raypub.net), Aleppo, Syria, as a supervisor/editor in the web technologies section, Aug 2003 – Jul 2006.
- Maktoob [maktoob.com](http://maktoob.com), Amman, Jordan, Software Engineer/Programmer, part time job September 2002 – February 2003.

- » CashU shopping system, enable users to buy books from ([amazon.com](http://amazon.com)) by CashU cards ([cashucard.com](http://cashucard.com)). I used socket technology in addition to shopping cart connected to the CashU server API. Development was performed on Red Hat Server using MySQL db and Perl language.
- Business Optimization Consultants (B.O.C) [hocme.com](http://hocme.com), Aleppo, Syria, senior web developer, Feb 2000 – Jul 2002.
  - » Programming team leader effort to develop the first Arabic/English Auction site on the web (MazadMaktoob.com, currently become [Souq.com](http://Souq.com)) as well as Waseet newspaper web site ([ewaseet.com](http://ewaseet.com)), development was performed on LAMP (Perl) environment.
- Syriamica ([syriamica.com](http://syriamica.com)), Aleppo, Syria, Software Engineer / Programmer May 1999 – Jan 2000.
  - » Design and develop Time Accounting Management and Payroll Application works directly with barcode machine. I used Visual Basic 6.0, SQL-Server, ADO 2.1, and Crystal Reports 6.0.

### Courses and Certificates:

- "Statistical Analysis of Microarray Data with R" online course at statistics.com Oct 21-Nov 18 2011: <http://www.statistics.com/microarray> (earned 100% of possible grades, credit 5.0 CEU's)
- Participate in the HPC Winter Training School held in Nicosia, Cyprus 24-27 Jan 2011: [http://linksceem.eu/joomla/index.php?option=com\\_content&view=article&id=112&Itemid=108](http://linksceem.eu/joomla/index.php?option=com_content&view=article&id=112&Itemid=108)
- University of Oxford's "Statistics for Biosciences" online course, 2 Mar 2009 (grade awarded A, 15 CATS points): <http://bioinfomsc.stats.ox.ac.uk/subjects/Stats.html>
- Red Hat Linux Essentials (RH-033) and System Administration (RH-133), 30 Aug – 4 Sep 2008.
- University of Oxford's "Perl Programming for Bioinformatics" online course, 2 Oct – 10 Nov 2006 (grade awarded A, 15 CATS points).
- Brainbench certificates in PHP 4, HTML 4.0 and 3.2, JavaScript, SQL (ANSI) Fundamentals, Web Design Concepts, E-Commerce Concepts, Dreamweaver MX, etc.
- Participated in a training course in Utilization of Expert Systems in Agriculture Research and Production from Oct 4, 2004 to Oct 14, 2004.
- Oracle JDeveloper in ITCC center (Oracle authorized education partner), Amman 4-8 Apr 2004.
- Participate in two English courses in the British Council teaching center – Syria.

### Lectures, seminars and presentations:

- Taught Bioinformatics for graduate class at the Biotechnology department in the Technical Engineering collage, University of Aleppo spring 2009-2010 (Alignment, Clustering, HMM, etc...).
- I delivered PHP workshop in Aleppo University sponsored by CPC from 7 to 12 Feb 2009.
- I presented "Manage Open Source Projects" seminar, iCommunity FOSS-Workshop in Feb 4, 2009.
- I presented seminar titled "Introduction to Some of Developer Tools in the Open Source Software World" in the "Open source Information Systems" Conference in Nov 12-13, 2008.
- I delivered "develop websites by PHP" workshop in Aleppo Univ. sponsored by CPC, 9-13 Nov 2008.
- I delivered workshop on CVS in the Aleppo branch of Syrian Computer Society in Feb 28, 2008.
- I presented seminar titled "PHP and Arabic Language" in the Second Syrian Conference on Free/Libre and Open Source Software SCFLOSS'02 in Nov 21-22, 2007.
- I presented seminar titled "Convert standalone computer software into web applications" in the ninth symposium on "Information systems" under auspicious of SCS in Nov 27-29, 2004.
- I gave a lecture on E-Commerce in Talkala (Homs) culture center in Sep 19, 2004.

### Workshops and conferences:

- Participated in the experts meeting to create the Arab Network for Open Sources that organized by ALECSO on 23-24 Nov 2011 in Tunis.
- Participated in the ICIS developers workshop in Hyderabad, India 27 March – 2 April 2011.
- Participated in the 2011 Programming Winter School for the Partnership for Advanced Computing in Europe (PRACE-1IP) at the CyI Athalassa Campus in Nicosia, Cyprus during 24-26 January 2011.
- Participated in the Molecular Breeding Platform start-up meeting Hyderabad, India 17-24 Feb 2010.
- Participated in the International LinksCEEM HPC Conference held in Paphos, Cyprus 6-8 Oct 2009.
- Participated in the First Arabic Content National Conference, 13-15 Jun 2009 in Damascus, Syria.
- Participated in the Arab Techies Code Sprint, 20-23 May 2009 in Cairo, Egypt.
- Participated Utilization of Intelligent Systems for Plant Protection workshop. Aleppo, 6-7 Mar 2006
- Participated ICT-KM workshop on interoperability and web services. Rome, 13-17 Jun 2005.

- Participated Free & Open Source Software workshop. Damascus, 2-4 Mar 2005.
- Participated ESCWA workshop on "On-Farm Water-Use Efficiency". Beirut, 13-15 Oct 2003.
- Participated in the 2<sup>nd</sup> Int. Al-Shaam Conference on IT. Damascus, 26-29 Apr, 1999.

#### Open Source:

- Author of PHP and Arabic language project: <http://www.ar-php.org>
- Author of more than 20 PHP classes that has been published at phpclasses.org website: <http://www.phpclasses.org/browse/author/189864.html>
- Author of Rama CMS: <http://www.hotscripts.com/Detailed/48318.html>.

#### Publications:

- Co-Author in "Development of 1000 Microsatellite Markers across the Date Palm Genome" [http://www.actahort.org/books/882/882\\_29.htm](http://www.actahort.org/books/882/882_29.htm)
- Co-Author in "Stability of faba bean genotypes for broomrape infestation and yield potential" paper which has been accepted for publication in the field crop research journal.
- Author of "PHP and Arabic Language" book published by Ray publishing in 2007: [http://www.raypub.com/catalog/book\\_info.php?products\\_id=678](http://www.raypub.com/catalog/book_info.php?products_id=678)  
Translate six technical books in PHP, HTML, and JSP published by Ray publishing:  
[http://www.raypub.com/catalog/book\\_info.php?products\\_id=704](http://www.raypub.com/catalog/book_info.php?products_id=704)  
[http://www.raypub.com/catalog/book\\_info.php?products\\_id=703](http://www.raypub.com/catalog/book_info.php?products_id=703)  
[http://www.raypub.com/catalog/book\\_info.php?products\\_id=490](http://www.raypub.com/catalog/book_info.php?products_id=490)  
[http://www.raypub.com/catalog/book\\_info.php?products\\_id=463](http://www.raypub.com/catalog/book_info.php?products_id=463)  
[http://www.raypub.com/catalog/book\\_info.php?products\\_id=459](http://www.raypub.com/catalog/book_info.php?products_id=459)  
[http://www.raypub.com/catalog/book\\_info.php?products\\_id=416](http://www.raypub.com/catalog/book_info.php?products_id=416)
- Set of articles published in the SCS Informatics magazine:
  - PHP and Arabic language, issue 21, Nov 2007, pages 56-59.
  - Statistics and Arabic Language, issue 25, Mar 2008, pages 42-45.
  - CVS client tool, issue 26, Apr 2008, pages 30-33.
  - Setup and Configure CVS Server, issue 28, Jun 2008, pages 50-53.
  - Google Gears, last step for ideal web applications, issue 29, Jul 2008, pages 26-28.
  - AJAX technology in programmer point of view, issue 33, Nov 2008, pages 52-54.
  - Test and Document PHP code, issue 35, Jan 2009, pages 10-13.
  - Firebug, tool for web developing, issue 36, Feb 2009, pages 58-60.
  - HTML 5, issue 51, May 2010, pages 58-61.
  - SVG, issue 54, Aug 2010, pages 46-49.
  - JSON, issue 55, Sep 2010, pages 44-47.
  - Firefox add-ons, issue 56, Oct 2010, pages 38-41.
  - Deeply understanding for GPL license, issue 57, Nov 2010, pages 42-45.
  - Learning XPath by examples, issue 59, Jan 2011, pages 36-38.
  - Forget about old JavaScript habits, issue 65, Jul 2011, pages 50-52.
  - Encryption and secure communication techniques, issue 70, Dec 2011, pages 44-47.

#### Professional memberships:

- Member of Syrian Computer Society ([www.scs-net.org](http://www.scs-net.org)) since 1996.
- Member of IEEE (account number 91238269, <http://www.ieee.org>).
- Member of Free Software Foundation (<http://www.fsf.org>).

**Languages:** Arabic and English.

**Visited countries:** Syria, Kuwait, Lebanon, Jordan, Iran, Eritrea, Egypt, Italy, Algeria, Libya, Tunisia, Bahrain, Uzbekistan, Cyprus, Turkey, Qatar, UAE and India.

**Personal Data:**      **Nationality:** Syrian.      **Date of birth:** 2 Aug 1975  
**Place of birth:** Kuwait.      **Marital status:** Married.  
**Driving license:** Full, clean **Interests:** F1, billiards, reading.

I am working in international, multi-cultural, multi-ethnic environment with sensitivity and respect for diversity. References available on request.