

# ISLAM ALMASRI

## Personal Details:

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Telephone Number: (+966) 5 4470 1754  
E-mail Address: islam\_almasri@yahoo.com  
Date of Birth: 15 May 1988  
Marital Status: Single  
Nationality: Jordanian  
Residency: Saudi Arabia  
Gender: Male

## Education:

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- Jan 2013 – Present: KAUST (King Abdullah University of Science and Technology)
  - Campus: Thuwal, Saudi Arabia.
  - Degree: PhD in Computer Science
- September 2011 – Jan 2013 : [KAUST](#)
  - Degree: MSc in Computer Science
- September 2006 – January 2011: University of Jordan.
  - Campus: Amman, Jordan.
  - Degree: BSc in Computer Engineering.
  - CGPA: 3.88/4.0

## Work Experience:

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- April 2011 – August 2011: SoftAct, Amman-Jordan.
  - Title: Software Developer
  - Responsibilities:
    - Web development in C# and ASP.NET
    - Web application deployment
- Feb 2011 – April 2011: VirtuPort, Amman-Jordan (branch), Head office: Ashburn, Virginia, USA.
  - Title: Business Developer
  - Responsibilities:
    - Market Research.
    - Web Programming and Administration.
    - Network Management.
    - Sales Engineering.
- 20 June 2010 – 12 August 2010: GCE soft, Amman-Jordan.
  - Title: Trainee.
  - Department: Mobility Solutions.
  - Training Areas:
    - Desktop application programming using C#.
    - Database management using Windows SQL server.
    - Desktop GUI programming with WPF and XAML.

## Publications:

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- Almasri, Islam; Abandah, Gheith; Shhadeh, Ali; Shahrour, Anas; , "Universal ISA simulator with soft processor FPGA implementation," Applied Electrical Engineering and Computing Technologies (AEECT), 2011 IEEE Jordan Conference on , vol., no., pp.1-6, 6-8 Dec. 2011, doi: 10.1109/AEECT.2011.6132512, URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6132512&isnumber=6132477>
- [Modeling Multiple Visual Words Assignment for Bag-of-Features based Medical Image Retrieval](#)  
Jingyan Wang; Islam Almasri  
Proceedings of the IASTED International Conference on Computer Graphics and Imaging, CGIM 2012, p 217-224, 2012, DOI: 10.2316/P.2012.779-015.
- [Adaptive Graph via Feature Selection for Nonnegative Matrix Factorization](#)  
Jing-Yan Wang; Islam Almasri; Xin Gao  
21st International Conference on Pattern Recognition (ICPR 2012), Accepted as oral presentation, June 16, 2012

## Research/Projects Experience:

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- HGL detection tool
  - Period: March 2013 – Present
  - Description: a tool that integrates a number of state of art techniques for the detection of Horizontal Gene Transfer occurrence.
- Reaction Network Simulation
  - Period: 1 Sep 2012 – Feb 2013
  - Description: a tool for the simulation of a network of chemical reactions.
  - Technology: JAVA
  - In process of writing a tool paper
- Large Data DBMS query
  - Period: 20 Sep 2011 – 1 Dec 2011
  - Description: A fast query implementation with a custom index and file system for large data
  - Technology: JAVA
- DNA Palindrome Sequence detection
  - Period: 10 Sep 2011 – 15 Dec 2011
  - Description: a comparative program to study the effect of applying different Palindrome detection algorithm on human genomic sequence, with runtime and memory results.
  - Technology: JAVA
- Learning Management System:
  - Period: 13 Feb 2011 – 15 Apr 2011
  - Description: A state-of-art learning management system based on Moodle LMS, targeted for IT people all over the world.
  - Technology: PHP, MySQL, Apache and CSS.
- “Unripe Tomato Detector”:
  - Period: 20 April 2010 – 10 May 2010
  - Description: A smart recognition system whose aim is to identify unripe tomatoes passing on a production line in real time.
  - Collaboration: This project was done in collaboration with Alpha Beta tomato paste factories in Mafraq-Jordan.
  - Technology: Smart SVM recognition system, with fast image processing.
- “Universal Processor Simulator”:
  - Period: 10 January 2010 – 15 January 2011
  - Description: An educational tool that allows the creation of an instruction set and simulating execution. The tool can also deploy a processor into an FPGA IC.
  - Technology: Java and Verilog.

## Activities and Awards:

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- Wont first place in the **University Quiz Challenge** in KAUST for the year 2012.
- Won the first place in the second **ACM programming competition** administered by King Abdullah II School for Information Technology- University of Jordan.
- Won the first place in the **general knowledge competition** in King Abdullah II School for Information Technology- University of Jordan.
- Participated twice in the international **IEEEXtreme competition** administered by the IEEE, in years 2009 and 2010. Team ranked first amongst other teams from JU in both years.
- Exhibited in the **National Technology Parade** for the year 2010 in the education field, with the project titled: "Universal Processor Simulator". <http://www.just.edu.jo/~tp/> (see: Participants->Student Teams->Teams invited to the exhibition)
- Qualified to the Finalists in the **Student Design Competition** of the Computer Society for the year 2010 representing the University of Jordan: <http://www.computer.org/portal/web/pressroom/20100524studentdesign1>
- Participated in Applied Electrical Engineering and Computing Technologies (**AEECT**) conference as an author.
- Took a 3 month **entrepreneurial development program** as part of VentureLab (an initiative in KAUST for new business ideas)
- **Provost Award** recipient, given to exceptional students entering the MSc program in KAUST

## Skills:

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- Programming Languages:
  - Java, C#, C++.
  - PHP, SQL, HTML, JavaScript, CSS, XML.
  - Verilog, Matlab, Prolog.
  - x86 Assembly, MIPS, PIC assembly.

- Languages:
  - Arabic (Mother Tongue):
  - English:
    - Speaking:      Excellent
    - Writing:        Excellent
    - TOEFL iBT:     106/120