

# Aghsan A. Ahmad

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## EDUCATION

**Kansas State University (KSU)**, Manhattan, KS

M.S.E in Computing and Information Sciences (CIS), May 2009

Major: Software Engineering

**King Abdul Aziz University** , Jeddah, Saudi Arabia

B.S in Computer Science May 2005

## TECHNICAL SKILLS

**Web Development** - HTML, XML, Java Script, JSP, VB Script, ASP.Net

**Operating Systems and Networking** - Windows XP, MS SQL Server

**Programming Skills** - C++, ASP, Visual Basic, .NET, SQL, MySQL, HTML, JavaScript

**Specialized Skills** - Microsoft Office, Microsoft Project Management

**Software** - Visual Studio.NET, JDeveloper, Rational Rose, MS Office, Adobe Photoshop, Flash MX, Oracle

## ACADEMIC PROJECTS

### ELP Helper Software

2008

- Analyzed and designed the ELP Helper Software by UML diagrams
- Designed and developed a database for storing the information into the computer
- Programmed the ELP Helper Software by visual studio.Net
- Generated data by data generator
- Tested the software and the response time for each web request by JMeter Tool
- Installed and set up the software in the client server

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### Control The Dispensing Gasoline (CDG)

2008

I worked with a small team of software engineering to analyze and design the CDG. This course involved project management for software development to deliver successful software projects

- Defined Software Requirements Specification (SRS)
- Defined Software Quality Assurance (SQA) and Test Plan
- Defined Work Breakdown Structure (WBS)
- Defined cost estimation process on project

### Model Driven Development (MDD)

2008

- Wrote a paper about the general overview of A UML model
- Defined a use case model and sequence diagrams for two examples ( Elp Helper and Online Book Store)
- Wrote a research paper on The Model Driven Development (MDD), includes: Definition/concept of MDA and OLIVANOVA The Programming Machine.

<http://people.cis.ksu.edu/~aghsan/CIS890>

### Brick Sorter and Parter Using LEGO MindStorms

2007

I worked with another student to design and implement the Brick Sorter system. The Brick sorter is capable of sorting 3 different colors.

- Designed the system by using UPPL tool
- Wrote the code for the implementation

## **COURSE**

- Enterprise Database System Design and Engineering
- Real-Time Systems
- Machine Learning and Pattern Recognition
- Data Base Management Systems
- Software Verification
- Software Specification
- Software Engineering Projects

## **EXPERIENCE**

- Austin Convention Center, Austin, TX** 6/13/2009 – 6/17/2009  
Conference  
Attended the American Society for Engineering Education
- Kansas State University, Manhattan, KS** 10/1/2007 - 10/1/2007  
Assistant
- Monitored participants in annual KSU High School Programming Contest, sponsored by the Department of Computing & Information Sciences Fall 2007
  - Gave students samples of validation test case to make sure that programmed correctly
- Tibia University, Computer Science, Medina, Saudi Arabia** 5/5/2005 - 5/8/2005  
Workshop Participant
- Attended the first workshop for information and communication technology
- Tibia University, Computer Science, Saudi Arabia, Medina** 1/2/2005 - 6/15/2005  
Teacher Assistance (TA)
- Assisted with teaching undergraduate programming languages (C++ and Assembly) courses
  - Graded and critiqued team projects and class assignments
  - Helped students to understand Object Oriented Programming and the course materials
  - Engaged in several community service activities and computer clubs
- AlRyian private School, Medina, SA** 4/3/2004- 7/3/2004  
Student Teacher
- Taught a photoshop course to 20 students
  - Led after-school program providing extra time to work with students with special educational needs

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