Javeria Iqbal

Email: jiqbal@mpi-inf.mpg.de

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Career Objective

To be a part of a reputable organization offering challenging careers which will put my qualities, professional skills and strengths into a test and help me accomplish its targets with optimum level of accuracy determination and excellence. It is my faith that when a person starts believing himself then sky is the limit for him.

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Profile

- A hardworking individual having strong computer science background and excellent problem solving skills.
- Has experience of using different tools and environments.
- Ability to work under own initiative as well as in a team.
- Accomplished and dedicated lecturer
- Strong abilities and knowledge to clarify difficult concepts and to inspire students
- Received consistently glowing evaluations from students and supervising administrators
- Major competencies in web development using Java with latest frameworks of hibernating, spring, Java server faces etc, .NET with latest frameworks and Object oriented programming C++, networking and computational theory.

Current Research

- Discovering Behavior of Online Trading Algorithms with Time Series Analysis

Publications

- *A Novel Behavior Matching algorithm of time series matching for Online Conversion Problems*, with I. Ahmad, G.Schmidt (Working Paper)
- *A scalable approach of message interpretation by demonstrations for multi-robot communication,* with Yousaf, M.M.;   Awais, M.M,   IEEE 13th International Multi topic Conference, INMIC 2009.
- *Hash table based feed forward neural networks: A scalable approach towards think aloud imitation*, with Yousaf, M.M, Emerging Technologies, ICET 2009.
- *A network topology mapping tool for the grid*, with Muhammad Murtaza Yousaf and Michael Wilzl, Proceedings of the 6th International Conference on Frontiers of Information Technology.

Work Experience

October 2006-To Date

Assistant Professor: Punjab University College of Information Technology Primary Responsibility:

- Teaching **Introduction to Information Technology** to M.Sc (IT) 1st semester Students. Primary objectives are: thorough understanding of a user-level of computers and their role in the society. The ability to use computers to enhance productivity regardless of the type of discipline in which they are being used including effective use of different productivity software. An overall understanding of different areas of computer science like digital design, internet and world wide web, operating system, algorithm, programming languages, software engineering, database and networks. Students should be proficient enough to design, build and host a static HTML page. An introduction to programming and flow charting using visual basic, and the ability to write short programs, for example financial computations and computer graphics.

- Teaching **Net Centric Computing** to B.Sc (Hons) 6th Semester Students. Net-centric computing covers a range of sub-specialties including: computer communication network concepts and protocols, multimedia systems, Web standards and technologies, network security, wireless and mobile computing, and distributed systems. Mastery of this subject area involves both theory and practice. Learning experiences that involve hands-on experimentation and analysis are strongly recommended as they reinforce student understanding of concepts and their application to real-world problems. Laboratory experiments should involve data collection and synthesis, empirical modeling, protocol analysis at the source code level, network packet monitoring, software construction, and evaluation of alternative design models. All of these are important concepts that can best understood by laboratory experimentation.

- Teaching **Microsoft.NET Technologies** to B.Sc (Hons) 8th Semester Students. My Primary objectives include Understanding Enterprise Application Development on Microsoft Platform/Technologies. To have concrete understanding of .NET Framework and its accompanying technologies. To have a good working experience in C# and VB.NET in desktop based applications as well as web based applications.

- Teaching **Advanced computer programming for IT using JAVA platform** to B.Sc (Hons) 3rd Semester Students. Primary objectives include Understanding Enterprise Application Development on JAVA Platform/Technologies. To have concrete understanding of JAVA latest Frameworks and its accompanying technologies.

- Teaching **Programming Fundamentals using C++** to B.SC (Hons) 2nd semester students. Primary objective is to believe in that "Programming is to Computer science as Calculus to Physics and Engineering". Theories of computer science can effectively be verified via programming.

- Teaching Object Oriented Programming using C++/Java framework to B.SC (Hons) 3rd or M.Sc (IT) 2nd semester.

October 2008-December 2009
Research Officer: Agile, Technologies, Punjab University College of Information Technology
Primary Responsibility:

I supervised team for the development and integration of open source projects at Agile Technologies, PUCIT software house. This project is funded by National ICT and R & D fund. We added various demanding features by open source communities and fix bugs. Development languages are numerous: currently I am working in java, C++, C# and PhP based open source projects.

July 2006- To August 2006
Internship: State Bank of Pakistan, Karachi
Primary Responsibility:
Developing the project titled as "Help Desk System for Data Ware house department of State Bank of Pakistan, Karachi" and providing solutions for different problems facing by the department.

Education

Fall 2007 to 2009	**PUNJAB UNIVERSITY-PUCIT** Lahore M.Phil Computer Sciences degree, Fall 2007. Maximum GPA: 4.00/4.00. CGPA: 3.81/4.00
Spring 2002 to 2006	**PUNJAB UNIVERSITY-PUCIT** Lahore Bachelor of Computer Sciences (Honors)/Masters Equivalent to Masters in Computer Science, 4 year degree program. Maximum GPA: 4.00/4.00. GPA in Math Courses: 3.96/4.00 CGPA: 3.76/4.00
Jul 1999 to Jul 2001	**Shiblee College of Commerce and Science** Faisalabad Intermediate with Mathematics, Physics and Computer Sciences. Marks: 816/1100. Grade: A
May 1999	**Faisal Public School** Faisalabad Matriculation. Marks: 664/850 Grade: A

Projects

I have listed down my list of projects that I have done during academic years.

- Orange HRM

  Implementation of add-ons for Personal Information Management Module and Report Module. Orange HRM is an open source Human Resource Management application.

- E-Commerce Portal

  Design and development of E-Commerce website for B2C scenario. The user can register over the website and can use PayPal for secure online payment. Development environment was ASP.NET (C#).

- Online Test System (ASP.NET using C#)

  This application automates the short quiz taking. Administrator can assign instructors to groups of students. Instructors can upload their quizzes and assign them to a group. When the students log in, they are prompted for the due quizzes. The quiz can contain MCQ's only.

- Online Programming Solution (Java)

  Programming solution website in java using servlets, A user can entertain with the programming solutions uploaded and by registering itself can upload his/her own programming solutions.

- MSIL Converter for Subset features of JAVA (C#)

  My final degree project was to construct a compiler whose source language is Java and target language is Microsoft Intermediate Language which can run under the .NET Framework.

- Paranoid Game (graphics) using C language

  Designed and developed the game. It has a paddle with one or two balls and destructible bricks. Paddle directs the ball to the bricks to win points. I have used File handling, Mouse handling and video memory access.

- CHESS (graphics) using C++

  Developed the game with all the special moves and boundary cases; using C++ in Borland C 3.1.

Tools / Languages
- Worked in Borland C++
- Microsoft Visual C++
- Dot Net programming using C# (ASP.NET , ADO.NET)
- Jbuilder for programming in C/C++
- Experience with Oracle SQL, writing and executing queries and connectivity of the database using dot net.
- A good experience to work in the linux environment
- Slight knowledge of Crystal Report 9.0
- Experience in JavaScript, HTML,UML

Professional Skills
- Leadership and Teamwork skills
- Analytical and Problem Solving ability
- Strong oral and written Communication Skills
- Programming languages Java, JSP, XML,WML skills
- Oracle, SQL Server

Fields of Interests

- Computer Science applications in Business and Finance.
- E-Commerce
- Information Retrieval and Data mining.
- Distributed Information Systems.
- Heterogeneous Database management system.

Awards

- 1st position in M.Phil in Computer Science Punjab University Lahore, Pakistan, 2010
- 2nd position in BS(CS) in Computer Science Punjab University Lahore, Pakistan, 2007
- Academic Merit Scholarship for BS(CS), 4 years
- I secured 3rd position in my school in matriculation examination and 2nd in my college in intermediate board examination.
- Certified UBUNTU LINUX
- Certified from State Bank of Pakistan [Head office, Karachi], successfully completed my internship and completed project on "Data Ware House on Help desk system".
- Certified from Lahore University of management and sciences [LUMS] for successfully completing Teacher Training Program organized under ICT

Extracurricular activities
- I have been a good debater since my early school.

- I also led my college team in the All Pakistan Debating Competition 2000, Lahore.

- Currently, I am on the editorial board of the university's magazine.

References   Available on request.