

## **Karim Fatehi**

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### **Objective:**

To obtain a full time position in the field of Computer Science that allows for advancement.

### **Work Experience:**

Support Analyst(Microsoft Technologies) – Ristken Software Services – Dallas TX

Jan 2009 – Present

- Provide support on SQL Server 2005 production databases.
- Analyze and fix bugs.

ASP.NET Developer – Telligent Systems – Dallas TX

Oct 2008 – Dec 2008

- Developed Blog sites using ASP.NET pages and SQL Server 2005.
- Worked with Community Server™.
- Worked with Community Server™ themes.

Oracle Developer and Production Support analyst – Lanelogic Inc/Caroffer.com – Richardson TX

Sept 2007 – May 2008

- Developed and maintained PL/SQL packages, stored procedures, triggers for an Oracle 10g database.
- Provided production support on production databases.
- Performed QA tasks for new applications.
- Developed LogiXML reports for tracking and generating alerts.

### **Education:**

Master of Computer Science – University of Texas at Dallas – Richardson TX

Graduated: Dec 2008

Bachelor of Engineering (Electronics) – University of Mumbai – Mumbai INDIA

Graduated: June 2006

### **Technical Skills:**

Languages: C, C++, C#, JAVA, SQL, PL/SQL, 80x86 Assembly, MPI for C, VHDL

Databases: Oracle 10g, Oracle 8, SQL Server 2008 / 2005

Operating Systems: Windows Vista / XP / 98, DOS, Linux

Softwares: PL/SQL Developer, Visual Studio 2008 / 2005, Adobe Dreamweaver, Corel, IntelliJ, MS Office Suite

## **Projects:**

- Blog Sites:  
Developed blog sites at Telligent using Visual Studio 2008 and SQL Server 2005. Implemented different techniques for storing the data.
- Advanced Operating Systems:  
JAVA project using TCP/IP sockets built for design and analysis of snapshot, fault tolerance and recovery algorithms over a network application involving message passing.
- Parallel Architectures and Systems:  
Designed and implemented near linear scaling programs using MPI C and multi-threaded approaches for fast sorting and vector multiplication. Used optimization techniques like loop unrolling, dependency charts and loop reordering for multiprocessor systems.
- Database Design:  
Designed and developed a database application for airline reservations. Backend done in Oracle 8 and frontend done in JAVA. Used JDBC to connect to database.
- Artificial Intelligence:  
Designed and developed game AI for board game – 9 men morris. Used game trees and alpha-beta pruning algorithms with JAVA as the language.
- Machine Learning:  
Implemented various learning approaches for classifying data. Worked with back propagation simulators to design neural nets.
- Information Security:  
Implemented and studied algorithms for encryption and decryption(DES), security standards, digital signatures(MD5), vulnerabilities and exploits.
- Advanced Computer Networks:  
Built network-topology discovery and routing algorithms over a simulated network in JAVA.
- Distributed Computing:  
Studied algorithms for finding the ‘minimum connected dominating subgraph’ for topology control in mobile ad-hoc networks.

## **Relevant Graduate Courses:**

Design and Analysis of Algorithms, Advanced Computer Networks, Distributed Computing, Advanced Operating Systems, Artificial Intelligence, Database Design, Parallel Architectures and Systems, Machine Learning, Information Security, Advanced Programming Languages

## **Other Achievements:**

Participated and prevailed at various competitions like Circuit Building, Robotics, Lan Gaming. Organized tournaments for IEEE events at Mumbai University.

## **Hobbies and Interests:**

PC Gaming – Crysis, Team Fortress 2, Warcraft III, Warhammer Online, Counter-Strike etc.  
Game AI for real time strategy games  
Graphic and Visual art for banners, posters, advertisements etc.