

EDUCATIONAL QUALIFICATIONS

- **Master of Science** in Computer Science, **University of Southern California** May 2010
- **Bachelor of Science** in Electrical Engineering, University of Mumbai June 2008

Relevant Coursework: Web Technologies, Software Engineering, Database Management Systems, Software Architectures, Analysis of Algorithms, Computer Networks.

SKILL SET

- Languages: **C, C++ and SQL**
- Scripting Languages: **JavaScript, PHP and Perl**
- Web Technologies: **HTML, CSS, AJAX, JSON, XML, Dreamweaver**
- Database: Oracle 9i, DB2, SQL Server 2000/2005, MS Access
- Testing Tools and Techniques: **Quality Center, QTP, Bugzilla, Jira, Blackbox, Whitebox**
- Servers: APACHE 2.2, TOMCAT 4.1
- Operating System: Windows, Mac, UNIX (Sun Solaris 5.0).
- Others: Visual Studio, Eclipse, XMLSPY, Rational Rose, MS Visio, **MS Project**, Outlook Express, MS Office.

WORK EXPERIENCE

1. **Arohe.org- Software Engineer Intern** August 2009 – April 2010

Responsibilities:

- Adapted **development strategies** for various **Software Development Life cycle models like Waterfall, Spiral, Incremental Commitment, RUP and Agile -Scrum**. Exposure to all stages of the Software Development Life Cycle.
- Analyzed Business requirements and functional specifications of the project
- Responsible for creating and maintaining project documentation such as requirements specifications, defining the operational concepts, life cycle planning and system software architecture description.
- Designed component based models with Unified Modeling Language (UML) using Rational Software Modeler
- Created **test plans and test cases** for the modules involved.
- Developed front end GUI using HTML, CSS and PHP and backend database with MySQL
- Performed functional, usability and performance testing of various modules like registration, payment and login
- Communicated **daily, weekly and monthly status reports including Test Metrics to various project stake holders**

Environment: MySQL, PHP, Javascript, HTML, CSS, Dreamweaver

2. **BizHands.com- Software Engineering Intern**

June 2009 – August 2009

Responsibilities:

- Involved in the information gathering phase and drawing up system and software requirements for feature enhancements of company's networking portal bizhands.com.
- Involved in the planning, design, specification architecture phases for the features of the web portal

Environment: Microsoft Visual Studio, Oracle 9i, MS-Office

ACADEMIC PROJECTS

Computer Networks:

- Simulated a self-organizing network of stand-alone mobile nodes in a race to find a target in a Client/Server environment using streamy and datagram UNIX Sockets in C/C++
- Conducted Network Protocol Analysis using **Wireshark "Ethereal"**. Protocols included DHCP, DNS, HTTP and TCP

Web technologies:

- Created a mash-up between Google maps and Flickr using **AJAX and JAVASCRIPT**. To implement a Google Maps interface to the Flickr public image database, a combination of HTML, JavaScript and Java Servlet programs was used.
- Created a web site using **Perl** as the scripting language to provide a visitor the ability to compare "Sponsored Links" and "Sponsored Sites" from Google.com and Live.com, for a particular search query.

Databases:

- Created USC Transit system using Java and Oracle DBMS. Developed an ORDBMS that allows a user to find trams, students, stops and routes on USC map. Utilized Oracle data types, **Mysql & SQLplus** to query the database.

Computer Architectures

- Made a simulation of a convoy of robots following each other using connectors and components. The followed each other using cameras and IR.

3-D Graphics:

- Implemented **L systems** as the foundation of a computer graphics tool in order to visualize, simulate and generate 3 dimensional models of plants, trees and other fractal forms using **VC++ and OpenGL**.