

DEVANG JAYSINH NEGANDHI

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EDUCATION

- **M.S in Computer Science**, University of Southern California, Los Angeles, USA *Graduating: December 2010*
 - **B.Tech in Information Technology**, VIT University, Vellore, India *May 2009*
- Core Competencies:** Computer Networks, Operating Systems, Software Architecture, Internetwork and Distributed Systems Laboratory, Web Technologies, Computer Communication, Network Programming in JAVA.

TECHNICAL PROFICIENCIES

- Programming Skills:** C, C++, JAVA
Databases: MySQL, Oracle9i
Scripting Languages: HTML, JavaScript, AJAX, CSS, Perl, PHP, UNIX Shell Scripting
Operating Systems: Unix, Windows 98/2000/NT/XP
Graphics Engine: Ogre3D (Open Source Graphics rendering Engine)
Certifications: Sun JAVA Certification, CCNA
Other Proficiencies: Apache Server, Tomcat Server, Microsoft Office, Open Office, Eclipse, SVN, XSLT, XML

WORK EXPERIENCE

- **Student Worker, Intelligent Systems Division, USC/ISI, Los Angeles, USA** *March 2010 – Present*
My Duties include developing a web based front end for a remote database using Google Web Toolkit (GWT) and maintaining a web server for the same.
- **Research Student, International Institute of Information Technology (IIIT), Hyderabad, India** *Jan 2009 – May 2009*
Designed and developed an application to spatially connect random images in 3D using Ogre3D graphics engine at CVIT Labs, IIIT
- **Summer Intern, Vi Microsystems, Chennai, India** *May 2007 – July 2007*
Worked on a project involving embedded networking and RTOS during my undergrad.

MAJOR PROJECTS HANDLED

- **Multi-Threaded Client-Server Architecture** *Fall 2010*
Designed and developed a multi-threaded program to achieve reliable client-server interaction using TCP/IP in C++.
- **Accurate PHY Simulator for Underwater Acoustic Communication** *Summer 2010*
Designed & developed a GUI simulator in JAVA to analyze effects of factors like temperature, currents etc on underwater acoustics.
- **IP based File Transfer Utility** *Spring 2010*
Designed and developed an application that transfers a given file reliably, using UDP, between any two given hosts in C++.
- **Userspace IP Router** *Spring 2010*
Designed and developed a simple IP router in userspace that routes packets from any source host to its designated destination host using libpcap library in C++.
- **NACHOS Operating System** *Fall 2009*
This project involved the making of 4 major modules of any modern operating system: Thread management, Multi-programming, File systems, and networking for a very simple, but a functional, operating system called NACHOS using C.
- **Smart Code Analyzer and Tutor** *Fall 2008*
A browser based programming tool, similar to an IDE, which would help improve a student's programming skills to professional standards and analyze his programming style. This application was developed using Google Web Toolkit (GWT) in JAVA.
- **Command and Data Handling Team, VITSAT-I University Student Satellite Project** *Fall 2008 – Spring 2009*
In collaboration with Indian Space Research Organization (ISRO)
The project involved designing of the hardware of the on-board computer for payload data handling module and develop a payload data analysis technique on the on-board computer.
- **VITLive** *Fall 2007*
Designed and developed a web based chat application using the lightstreamer API (Based on the Comet paradigm that streams real-time data to any web browser, without installing anything on the client), HTML, JavaScript, AJAX and PHP.

REFERENCES

- **Prof. Young.H.Cho, Ph.D.**
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