

ELI KOHANCHI

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Will cover all moving expenses.

OBJECTIVE A Quality Assurance Engineer position, utilizing programming, development and testing skills

EDUCATION

University of California, San Diego (UCSD)

June 2006

Bachelors of Science

Major: Electrical Engineering

Emphasis: Machine intelligence

SKILLS / QUALIFICATIONS

Engineering Skills

- **CS:** C/C++, Java, HTML, ASP, PHP, XML, PERL, Linux – shell scripting/Screen/Vi/awk/sed/CVS/SVN(subversion). Knowledge with Firewalls, access limitation, internet security, and network setup/maintenance.
- **EE:** Linear control systems, neural networks and fuzzy logic, introductory linear and nonlinear optimization, electromagnetism, digital circuits and introductory active circuit design. Extensive knowledge in Neural Networks and Control Systems. Developed and worked with a number of different neural networks such as ADALINES and single and multilayer perceptrons. Worked on different ways of stabilizing control systems. Designed and tested circuits such as passive filters, amplifiers, and OpAmps with strong emphasis on heat reduction and cost reduction of a product
- **General:** Proficient in Windows operating systems (98, 2000, XP, Vista), OS X, Unix/Linux, MS Office, PSpice, Matlab, Putty, SQLyog, XML Spy, XML Oxygen, and SolidWorks 2001.

RESEARCH / ANALYTICAL SKILLS

- Ability to locate and assimilate new information rapidly
- Ability to break-down and understand complex content
- Ability to reach and defend independent conclusions
- Problem-solving tools and experience
- Ability to think on one's feet and to take on a leadership position or work as a team
- Ability to convey complex information to non-expert audiences

EXPERIENCE

Configuration Management <Company name available upon request> 9/07 – Present

- As the only one within the Configuration Management department, and my secondary role within the company, I am responsible for making branches, tags and decisions in regards to the different aspects of configuration settings within our cvs repository, including when projects may merge to head.
- As the CM, I use existing home-grown tools to develop more tools to streamline the process of creating branches and tags and notifying the proper individuals upon the creation of the labels.

QA Engineer <Company name available upon request> 6/06 – Present

- As being a QA Engineer is my primary role within the company, I am responsible for testing transaction processing systems within real-time and batch environments. Created testing documents including but not limited to: test plans, test cases, test case matrix, testing procedures, and testing environment. Testing is done with the use of home-grown tools in a Unix based environment.
- Responsible for developing tools to help facilitate or automate testing using bash, sed, awk, and perl
- Responsible for running performance tests to obtain performance metrics, such as throughput, memory usage, cpu usage, db read/write times, etc. Significant amount of stress and load testing has also been done using in-house tools.
- Have developed over 70% of the tools being used within QA
- Currently working with team to automate the testing of all systems handed over to QA, to help facilitate with regression of systems and speed up the QA process.
- Have set up an internal website, using Joomla as the CMS program, for the Development and QA team to use for sharing documents and knowledge with others within the team as well as out of it. Internal site was periodically updated per requests of those who wanted documents posted/updated/deleted from the site.
- Mentored inters and new-comers to the team as well as the department, in topics such as processes and general procedures as well as technical areas such as simple unix commands to get started and perform tasks efficiently.

Intern – Software Engineer

Zementis, Inc

7/05 – 5/06

- Programmed using Java, XML, Perl. Neural Network coding done with PMML

- Work intensively with eclipse and numerous plug-ins for programming
- Work with Jasper Reports to create professional graphical reports for clients
- Work on documentation of product development

PROJECTS

Website Development Personal Project 2002 – Present

- Currently engaged in three different website development projects, each with a different purpose and idea in mind.
- I am self taught in the usage of many tools that are used within website development including, Macromedia Dreamweaver, Flash, Adobe Photoshop, as well as in the process of bringing up a website from the ground up, from domain/hosting acquisition to webpage design and implementation.
- In the early stages of my web development path, most of my sites were created using simple html and scripts, and have since then moved on to all flash site, then high emphasis on design site, then on to the usage of CMS (content management services) programs for website development, which allows for a good balance of design, functionality, and configurability. Current sites I'm working on use Joomla 1.5 as their foundation, with some modules and components that I've developed to uniquely suite the site at hand.

Standardized Interface for UCSD – Class ECE 191 9/05 – 12/05
802.11b-Controlled Robot Project

- Developed a tank robot to operate on an 802.11b wireless connection
- Robot programming was done on a basic stamp chip, with 10 Ultrasonic and Infrared sensors for maximum control support
- Worked with a team of four students to complete project in 10 weeks with final presentation in the 10th week

Robot Project UCSD – Class ECE 20A & B 9/03 – 3/04

- Worked in teams in designing and implementing a robot, involving soldering and testing of various parts of the robot
- Functions of robot included 360 degree movements, beeping and turning on/off the LED
- Used various devices in the labs such as an oscilloscope to test the different systems on the robot
- Kept clear and detailed notes on the process of development of robot, as well as the various tests that were done

PERSONAL

- United States Citizen