

Lawrence Chiu Tan

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EDUCATION

University of Southern California

Master of Science in Computer Science (GPA = 3.86)

Courses: Artificial Intelligence, Database Systems, Analysis of Algorithms, Information Integration on the Web, Computer Communications, *Machine Learning*, *Probability Theory*, *Computer Graphics*

Los Angeles, CA
2008 – PRESENT

De La Salle University

Master of Science in Computer Science (CGPA = 4.0)

Manila, Philippines
2006 – 2008

De La Salle University

Bachelor of Science in Computer Science (CGPA = 3.763/4.0)

Manila, Philippines
2003 – 2006

HONORS AND AWARDS

USC ACM Programming Contest 7th place

Los Angeles, CA
Fall 2008

Magna Cum Laude, Consistent First Honor Dean's List

Manila, Philippines
August 2006

WORK EXPERIENCE

Yahoo! Inc. Tools Developer Intern

- Developed priority 1 features for a test manager web application in JSP, javascript
- Created a plugin to yPerf! (performance testing tool) to gather statistics through a script and format results back to the controller and support load testing of an advertising server
- Wrote several unit tests for three modules of the yPerf! which caught relevant bugs

Burbank, CA
May – August 2009

Azeus Systems Philippines, Inc. Summer Internship

Technologies: Java, JavaScript, JSP

- Performed code inspection on a module of an Electronic Licensing System
- Wrote comprehensive Java documentation and created JUnit tests for the assigned module

Manila, Philippines
May 2005

ACADEMIC PROJECTS

Peer-to-Peer File Sharing Application (pair project)

- Developed p2p server and client object that allows searching, downloading, and uploading
- Implemented bit-vector for optimized keyword searching

Los Angeles, CA
Spring 2009

Folksonomy Visualization with Relation Extraction on South Africa Flickr Tags

Technologies: Java, Opennlp, Stanford parser

- A pair project where we used flickr tag data to generate entity relationship tree for South Africa
- Implemented heuristics to extract the relationship from a dependency parse tree of relevant sentences from search results returned by Google Search API.

Los Angeles, CA
Spring 2009

Client and Multi-Threaded Server Communication

Technologies: C++, UNIX TCP Sockets, POSIX Pthreads, OpenSSL MD5

- Developed client that sends 3 types of requests: get file, get filesize, and resolve ip address
- Implemented server that handles client requests, with strict error checking and graceful shutdown

Los Angeles, CA
Spring 2009

USC Campus Spatial Database Application

Technologies: Java Swing, Oracle 10g, Spatial Database Java API

- Created a graphical interface which lets users draw polygons on the campus map and the system marks the locations of tram stops and students (stored in a database) within the drawn area

Los Angeles, CA
Fall 2008

TECHNICAL SKILLS

Operating System: Windows, Linux

Technologies: Java, C, C++, HTML, XML, CSS, JavaScript, Perl, PHP, JSP, AJAX, XQuery, JSON, MySQL, SVN