Yu-Ta Lu

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EDUCATION

Stanford University, California, USA
M.S. in Computer Science *(Specialization: Human-Computer Interaction) (Major GPA: 3.87)*   expected Mar 2012
Relevant Coursework: Human-Computer Interaction Design and Studio, Experimental Research in Advanced User Interfaces, Software Project Experience with Corporate Partners, Object-Oriented Programming from a Modeling and Simulation Perspective, Introduction to Computer Graphics and Imaging.

National Taiwan University, Taiwan
B.S. in Computer Science and Information Engineering *(Overall/Major GPA: 3.97/4.0)*   Jun 2009
Relevant Coursework: Object-Oriented Software Design, Design Patterns and Software Development, Data Structures and Algorithms, Parallel Programming, Web Retrieval and Mining, Database Systems, Operating Systems.

COMPUTER SKILLS

Proficient in: C++, C, HTML, JavaScript, PHP, CSS, Perl.
Experienced with: Linux, Java , C#, Hadoop platform, SQL, MySQL database.

WORK EXPERIENCE

Ensign, Information Systems Reserve Officer, *the Taiwan Navy*   Jan 2010 – July 2010
- Monitored and dealt with information security situations in central command and 6 units.
- Revised the command website to fix all critical vulnerabilities found by Web Vulnerability Scanner.
- Coordinated and cooperated with officers from 10 different departments to complete missions thoroughly in a timely fashion under high pressure.
- Received commendation for excellent performance upon completion of military service.

SIGNIFICANT PROJECTS

The Naval Scoring System, *the Taiwan Navy*   Oct 2009 – Dec 2010
- Recognized as a significant contribution to the Taiwan Navy.
- Led a three-person team to redesign the entire Navy's outdated performance scoring system, transferring all functions and records of soldiers' honorary achievements to an updatable web application using HTML, JavaScript, CSS, PHP and MySQL.

Tag Recommendation System, *National Taiwan University*   Apr 2008 – July 2009
- Researched and designed a new tag recommendation algorithm. Conducted user studies on 19 participants.
- Published and presented the full technical paper, "A Content Based Method to Enhance Tag Recommendation" in 21st International Joint Conference on Artificial Intelligence.

Foooooooood!, *National Taiwan University*   May 2008 – Jun 2008
- Recognized as one of the top three projects in a Parallel Programming course. Invited to demonstrate at Google's headquarters in Taipei.
- Cooperated with 4 team members to build a search engine for food by implementing Probabilistic Latent Semantic Analysis algorithm based on Hadoop platform.
- Designed and implemented the front-end search interface.

HONORS & AWARDS

- National Taiwan University Presidential Awards (awarded to top 5% students): fall 2004 and spring 2006.
- National Science Council Undergraduate Student Research Fellowship.
- Foundation for The Advancement of Outstanding Scholarship Special Travel Grants to the 21st International Joint Conference on Artificial Intelligence.
- Candidate for Taiwan's national representatives to the 17th International Olympiad in Informatics.
- 1st Prize in the songwriting section in the 24th Golden Melody Award, National Chengchi University.
- 1st Prize in the 1st Graduation Cup Singing Contest, National Taiwan University.

ACTIVITIES

Chief Director, *the Guitar Club in National Taiwan University*   Sep 2005 – Jan 2006
- Led a functional team of 20 people to manage 200 club members.