

Michael Yu-Ta Lu

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EDUCATION

Stanford University, California, USA

MS in Computer Science (Specialization: Human-Computer Interaction) (Major GPA: 3.94) 03/12

Relevant Coursework: Human-Computer Interaction Design and Studio, Software Project Experience with Corporate Partners, Design Thinking Bootcamp, Experimental Research in Advanced User Interfaces

National Taiwan University, Taipei, Taiwan

BS in Computer Science and Information Engineering (Overall/Major GPA: 3.97/4.0) 06/09

Relevant Coursework: Object-Oriented Software Design, Design Patterns and Software Development, Data Structures and Algorithms, Operating Systems, Database Systems, Web Retrieval and Mining

TECHNICAL SKILLS

Proficient in: C++, C, HTML, JavaScript, PHP, CSS, Java, Perl

Experienced with: Linux, MySQL database, Android programming, iOS programming, C#, Hadoop platform

WORK EXPERIENCE

Software Development Engineer Intern, *Speech Recognition Team, Microsoft, Redmond, WA* 06/11 – 09/11

- Cooperated with senior researchers and engineers to define the specification of a new speech recognition tool that facilitates speech recognition model analysis.
- Independently analyze the Microsoft Speech Recognition Engine system core. Designed and implemented new features in the system. Tested the tool developed.
- Discovered characteristics of the engine that will have an impact on speech recognition research at Microsoft.

Ensign, Information Systems Reserve Officer, *Taiwan Navy, Taipei, Taiwan* 01/10 – 06/10

- Monitored and was responsible for information security in central command and six units.
- Fixed all critical vulnerabilities in the command website.
- Coordinated and cooperated with officers from ten different departments to complete critical missions thoroughly in a timely fashion under high pressure.
- Received commendation for excellent performance upon completion of military service.

SIGNIFICANT PROJECTS

NapkiNotes, *Stanford University* 01/11 – 06/11

- Worked with a five-person team in cooperation with Samsung to develop a new application featuring Near Field Communication technology on the Nexus S phone.
- Defined application features to improve in-restaurant dining experiences. Built prototypes and conducted user studies for rapid feedback. Designed and implemented the application on the Android platform.
- Delivered a presentation at Samsung's Seoul headquarters for a vice president and several engineers.

Foooooooood!, *National Taiwan University* 05/08 – 06/08

- Worked with a four-person team to build a search engine for food using Probabilistic Latent Semantic Analysis algorithm on the Hadoop platform.
- Designed and implemented the front-end search interface.
- Recognized as one of the top three projects in a Parallel Programming course. Invited to demonstrate at Google's headquarters in Taipei.

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

ACTIVITIES

Chief Director, *Guitar Club, National Taiwan University* 09/06 – 01/07

- Led a functional team of 15 students to manage the club with 200 new members a year.