

# TING-HUI KAO (Maxis)

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## EDUCATION

- National Tsing Hua University, M.S. Computer Science, NLP Lab (GPA: 4.1)
- National Cheng Kung University, B.S. Computer Science (GPA: 3.5)

## SKILLS

- HTML5 & CSS3 ▪ Javascript & jQuery
- Python ▪ C# ▪ C / C++ ▪ PHP ▪ SQL ▪ Java

## INTERESTS

- Natural Language Processing ▪ Information Retrieval ▪ Data Visualization
- User Experience ▪ UI design ▪ Computer Assisted Language Learning

## EXPERIENCE

- Intern** • Group: Information and Communication Research
- ITRI** • Mentor: Meng-Sung Wu and Sen-chia Chang
- Dec. 2012 – Apr. 2013 • Projects: Developing a movie-search system using natural language as Hsinchu input

- Intern** • Group: Knowledge Mining
- Microsoft Research Asia** • Mentor: Chin-Yew Lin
- Jul. 2012 – Oct. 2012 • Projects: Automatic acquisition of semantic knowledge, social media Beijing, China data visualization (including Web UI design) and knowledge-bases construction/mapping.
- Award: Excellence Award of Microsoft Internship Program

- Research Assistant** • iSpin Project: Developing serveral interactive systems, e.g., “TELL”
- NTHU** and “Flashcard” for language learning using natural language processing
- Aug. 2011 – Jun. 2012 and information retrieval technologies.
- Hsinchu

- Research Assistant** • Project: Developing an interface for fast looking up in several research
- NHCUE** Hakka copora
- Oct. 2011 – Jun. 2012
- Hsinchu

## PUBLICATIONS

- Ting-Hui Kao, "Combining corpus statistics and knowledge base to disambiguate and acquire verb frames" *M.S. Thesis in Computer Science*, National Tsing Hua University, Taiwan, June 2013
- Ting-Hui Kao, Yu-wei Chang, Hsun-wen Chiu, Tzu-Hsi Yen, Jian-Cheng Wu, Joanne Boisson and Jason S. Chang, "CoNLL-2013 Shared Task: Grammatical Error Correction - NTHU System (Rank#2/17)" in *Proceedings of the Seventeenth Conference on Computational Natural Language Learning: Shared Task (CoNLL 2013)*, pages 1–12, Sofia, Bulgaria, August 8-9 2013
- Joanne Boisson, Ting-Hui Kao, Jian-Cheng Wu, Tzu-Hsi Yen and Jason S. Chang, "Linggle: a Web-scale Linguistic Search Engine for Words in Context" in *Proceedings of the 51st Annual Meeting of the Association for Computational Linguistics (ACL 2013)*, pages 139–144, Sofia, Bulgaria, August 4-9 2013.
- Meihua Chen, Shih-Ting Huang, Ting-Hui Kao, Hung-Ting Hsieh and Jason S. Chang, "FLOW: A First-Language-Oriented Writing Assistant System" in *Proceedings of the 50th Annual Meeting of the Association for Computational Linguistics (ACL 2012)*, pages 157–162, Jeju, Republic of Korea, 8-14 July 2012
- Chung-chi Huang, Ping-che Yang, Mei-hua Chen , Ting-Hui Kao, Hung-Ting Hsieh and Jason S. Chang, "TransAhead: A Writing Assistant for CAT and CALL" in *Proceedings of the 13th Conference of the European Chapter of the Association for Computational Linguistics (EACL 2012)*, pages 16–19, Avignon, France, April 23 - 27 2012
- Chung-Chi Huang, Mei-Hua Chen, Shih-Ting Huang, Hung-Ting Hsieh, Ting-Hui Kao, Hsien-Chin Liou, Jason S. Chang. "Automatically Generating Grammar Patterns and Lexical Bundles for Assisting Language Learners' collocation learning", In *Proceeding of The 15th International CALL Research Conference (CALL 2012)*