

# TING-HUI (Maxis) KAO

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## EDUCATION

- 2011 – 2013 National Tsing Hua University, M.S. Computer Science, NLP Lab
- 2007 – 2011 National Cheng Kung University, B.S. Computer Science

## INTERESTS

- Natural Language Processing ▪ Data Visualization ▪ User Experience ▪ UI design
- Sentiment Analysis ▪ Computer Assisted Language Learning

## EXPERIENCE

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| <b>Research Assistant</b>                | • Group: Institute of Information Science   |
| <b>Academia Sinica</b>                   | • Advisor: Dr. Lun-Wei Ku   |
| Nov. 2013 – Current<br>Taipei, Taiwan    | • Projects: <i>Feelit</i> : Capturing Emotion Events from Web Posts using Patterns for Emotion Classification   |
| <b>Intern</b>                            | • Group: Information and Communication Research   |
| <b>ITRI</b>                              | • Project Manager: Dr. Meng-Sung Wu and Dr. Sen-Chia Chang  |
| Dec. 2012 – Apr. 2013<br>Hsinchu, Taiwan | • Works: Developing an intelligent search system for movies and related comments using natural language as inputs   |
| <b>Intern</b>                            | • Group: Knowledge Mining   |
| <b>Microsoft Research Asia</b>           | • Mentor: Dr. Chin-Yew Lin  |
| Jul. 2012 – Oct. 2012<br>Beijing, China  | • Project: <i>NeedleSeek</i> : Mine open-domain semantic knowledge from web-scale data sources. Mainly focus on knowledge-bases integrations and social media data visualization. |
|  | • Award: Excellence Award of Microsoft Internship Program   |
| <b>Research Assistant</b>                | • Project: <i>iSpin</i> : Developing several interactive systems, e.g., “TELL” and “Flashcard”, for language learning.  |
| <b>NTHU</b>                              |   |
| Aug. 2011 – Jun. 2012<br>Hsinchu, Taiwan | • Project Manager: Dr. Chin-Tay Shih  |
|  | • Advisor: Dr. Jason S. Chang   |
| <b>Research Assistant</b>                | • Works: Developing an fast looking up interface for several Hakka corpora in several researches.   |
| <b>NHCUE</b>                             |   |
| Oct. 2011 – Jun. 2012<br>Hsinchu, Taiwan | • Advisor: Dr. Han-Chun Huang   |

## PUBLICATIONS

- Meihua Chen, Shih-Ting Huang, Ting-Hui Kao, Hsun-wen Chiu and Tzu-Hsi Yen, "GLANCE Visualizes Lexical Phenomena for Language Learning" in *Proceedings of the Workshop on Interactive Language Learning, Visualization, and Interfaces (ILLVI 2014)*, pages 34–37, Baltimore, Maryland, USA, June 27, 2014
- 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 (***M.S. Thesis***)
- 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)*

