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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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| Software Engineer  **Yahoo!**  Dec. 2014 – Current  Taipei, Taiwan |  Product: *Yahoo Search*   * Mainly focus on font-end development, including UI optimization, platform redesign, TW/HK initiatives (Mobile Theme and Nearby), and data analytics.    Awards:   * 2015 *Top Hack* of Yahoo TW/JP Joint Hackday * 2016 *Winner* of Yahoo Bot Challenge |
| Research Assistant  **Academia Sinica**  Nov. 2013 – Dec. 2014  Taipei, Taiwan |  Advisor: Dr. Lun-Wei Ku   Project: *Feelit*   * Capturing sentiment and emotion events from web blog posts by learned patterns to benefit opinion analysis and context-aware recommendation. * Emotion wheel visualization. |
| Intern  **ITRI**  Dec. 2012 – Apr. 2013  Hsinchu, Taiwan |  Dept.: Information and Communication Research   Project: *MovieSearch*   * Building an intelligent search engine, which supports human language input, to retrieve movies and comments. |
| Intern  **Microsoft Research Asia**  Jul. 2012 – Oct. 2012  Beijing, China |  Group: Knowledge Mining by Dr. Chin-Yew Lin   Project: *NeedleSeek*   * Web semantic and ontology mining * Social media data visualization    Awards:   * Excellence Award of Microsoft Internship Program |
| Research Assistant  **NTHU**  Aug. 2011 – Jun. 2012  Hsinchu, Taiwan |  Advisor: Dr. Jason S. Chang and Dr. Chin-Tay Shih   Project: *iSpin*   * Working with MIRLab to build an interactive language learning system, *TELL*, which leverages TED Talks resources to provide accurate word/sentence pronunciation. |

**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 (***M.S. Thesis***)
* 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, 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***)