

Jiajun Bracewell

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Professional Summary

Accomplished language teacher and translator with fluency in English, Mandarin Chinese and Japanese. Experience supervising the research of others. Award winning researcher in Chinese computational linguistics including Chinese syntax description and Chinese semantic dependency analysis. Expert in artificial intelligence and natural language processing, with publications in the top conferences and journals. Extensive knowledge in comparative linguistics and computational linguistics.

Education

Ph.D. Information Science and System Engineering, The University of Tokushima, Japan, 2007.

Focus: Computational linguistics.

Thesis: Chinese Semantic Dependency Analysis and Its Applications.

M.A. Humanities, Hiroshima University, Japan, 2003.

Focus: Comparative linguistics of Chinese and Japanese, especially the influences that the Japanese language had on the Chinese language by creating new meanings for the words in the modern history.

Thesis: Liang Qichao and Japanese Nouns (in Japanese).

B.A. Japanese Literature, Beijing Language and Culture University, China, 1998.

Employment

Part-time Instructor 08/2015–05/2016
The University of Texas at Dallas Richardson, Texas

- . Teaching Beginning Japanese.
- . Supervising Independent Study of Advanced Japanese.

Faculty 08/2013–present
Richland College Dallas, Texas

- . Developed online versions of all levels of Chinese and Japanese classes.
- . Teaching Beginning Chinese (CHIN-1411/1311, CHIN-1412/1312) and Intermediate Chinese (CHIN-2311, CHIN-2312) online and on-campus.
- . Teaching Beginning Japanese (JAPN-1411/1311, JAPN-1412/1312) and Intermediate Japanese (JAPN-2311, JAPN-2312) online and on-campus.
- . Teaching ESOL.

Adjunct Professor 01/2013–12/2013
Brookhaven College Farmers Branch, Texas

. Teaching Beginning Chinese (CHIN-1411) online and on campus.

Linguist 05/2011–07/2013
Language Computer Corporation Richardson, Texas
. Data annotation and arrangement for sociolinguistic analysis of Chinese.

Owner 2005–present
LN3GS Language Consulting
. Self-owned company where I worked on a contract basis providing translation, interpretation and language acquisition services.

Research Assistant 2004–2006
PtoPA Inc. Tokyo, Japan
. Collection of data for natural language processing.
. Development and extraction of textual features.
. Data arrangement and analysis for textual knowledge bases.

Assistant Editor 2001
Nannansya Press Hiroshima City, Japan
. Editing of a medical guidance book entitled “Mayotta Toki No Isya Erabi (Hiroshima, Revised Version)” for patient use.

Research Interests

Computational Linguistics
Sociolinguistics
Comparative Linguistics
Natural Language Processing
Semantic Analysis
Affective Computing
Machine Translation
Language Learning Support System Development

Spoken Languages

Mandarin Chinese: Native.
English: Fluent.
Japanese: Close to native.

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Academic Activities (English Language)

1. Served as a reviewer to review and evaluate papers for the Seventh IEEE International Conference on Semantic Computing (ICSC 2013).
2. Served as a reviewer to review and evaluate papers for the 2011 International Conference on Intelligent Computing (ICIC2011).
3. Served as a reviewer to review and evaluate papers for the 2010 International Conference on Intelligent Computing (ICIC2010).
4. Served as a reviewer to review and evaluate book chapter for the book Data Management in the Semantic Web, 2009.
5. Served as a reviewer to review and evaluate papers for the 2009 International Conference on Intelligent Computing (ICIC2009).
6. Served as a reviewer to review and evaluate papers for the 2007 International Conference on Intelligent Computing (ICIC2007).
7. Served as a reviewer for the Special Session on Frontiers of Language Processing and Information Retrieval for Asian Languages, 2007 International Conference on Artificial Intelligence and Pattern Recognition (AIPR-07).
8. Served as a reviewer for Special Issue of the Journal Engineering Letters on Advances in Asian Language Processing, 2007.
9. Served as a reviewer for International Journal of Innovative Computing Information and Control (IJICIC), 2006.
10. Chosen as a session chair for 2006 International Conference on Intelligent Computing (ICIC2006).
11. Served as a reviewer for International Journal of Computer Mathematics (IJCM), 2006.

Professional Memberships

International Association of Engineers (IAENG) Member (2006-present)

Institute of Electrical and Electronics Engineers (IEEE) Student Member (2005-2007)

The Information Processing Society of Japan (IPSJ) Student Member (2005-2007)

The Association for Computational Linguistics (ACL) Student Member (2003)

Awards and Honors

1. Honors Scholarship for Privately Financed International Students (2006).
2. Travel grants (2006), Foundation for Computers and Communications (C&C) Promotion.
 - . Received competitive funding to attend and present at international conferences.
 - . Title: A Machine Learning Approach to Determine Semantic Dependency Structure in Chinese.
3. Best Presentation Award, 2005 IEEE Shikoku-section Joint Convention of the Institutes of Electrical and related Engineers (2005 SJCIEE).
 - . Title: Automatically Annotating Semantic Dependency Structure for Chinese Sentences.

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Published Papers

Book Chapters

1. **Jiajun Yan**, David B. Bracewell, “Chinese Semantic Dependency Analysis,” *In: Data Management in the Semantic Web*, Nova Science Publishers, Inc. chapter. 12, pp. 279–295. 2011.

Journals

2. **Jiajun Yan**, David B. Bracewell, Fuji Ren, and Shingo Kuroiwa, “Integration of Multiple Classifiers for Chinese Semantic Dependency Analysis,” *Electronic Notes in Theoretical Computer Science (ENTCS)*, vol. 225, pp. 457–468, Jan. 2009.
3. David B. Bracewell, **Jiajun Yan**, Fuji Ren, and Shingo Kuroiwa, “Category Classification and Topic Discovery of Japanese and English News Articles,” *Electronic Notes in Theoretical Computer Science (ENTCS)*, vol. 225, pp. 51–65, Jan. 2009.
4. David B. Bracewell, **Jiajun Yan** and Fuji Ren, “Single Document Keyword Extraction for Internet News Articles,” *International Journal of Innovative Computing Information and Control (IJICIC)*, vol. 4, no. 4, pp. 905–913, April 2008.
5. **Jiajun Yan**, David B. Bracewell, Fuji Ren, and Shingo Kuroiwa, “The Creation of a Chinese Emotion Ontology Based on HowNet,” *Engineering Letters*, vol. 16, no. 1, pp. 166–171, Feb 2008.
6. **Jiajun Yan**, David B. Bracewell, Fuji Ren, and Shingo Kuroiwa, “Chinese Semantic Dependency Analysis: Construction of a Treebank and Its Use in Classification,” *ACM Transactions on Speech and Language Processing (TSLP)*, vol. 4, no. 2, May 2007.
7. **Jiajun Yan**, David B. Bracewell, Fuji Ren, and Shingo Kuroiwa, “An Integrated System for Semantic Analysis of Chinese,” *WSEAS Transactions on Computers*, vol. 5, no. 9, pp. 1886–1892, 2006.

International Conferences

8. David B. Bracewell, Marc T. Tomlinson, Mary Brunson, Jesse Plymale, **Jiajun Bracewell**, and Daniel Boerger, “Annotation of Adversarial and Collegial Social Actions in Discourse,” in *Proceedings of the 6th Language Annotation Workshop (LAW VI) in conjunction with ACL-2012, Jeju, Republic of Korea, pp. 184–192, Jul, 2012.*
9. **Jiajun Yan**, David B. Bracewell, Fuji Ren, and Shingo Kuroiwa, “Semi-Automatic Construction of an Emotion Ontology Using HowNet,” in *the 2007 International Conference on Artificial Intelligence and Pattern Recognition (AIPR-07)*, FL, USA, pp. 17–21, 2007.
10. **Jiajun Yan**, David B. Bracewell, Fuji Ren, and Shingo Kuroiwa, “Chinese Semantic Dependency Analysis and Its Applications,” in *Proceedings of 2006 International Symposium on Artificial Intelligence and Affective Computing (AIAC-06)*, Tokushima, Japan, Nov. 2006.

11. **Jiajun Yan**, David B. Bracewell, Fuji Ren, and Shingo Kuroiwa, “A Machine Learning Approach to Determine Semantic Dependency Structure in Chinese,” in *Proceedings of the 19th International FLAIRS Conference (FLAIRS 2006)*, FL, USA, pp. 782–786, 2006.
12. **Jiajun Yan**, David B. Bracewell, Fuji Ren, and Shingo Kuroiwa, “A Semantic Analyzer for Aiding Emotion Recognition in Chinese,” in *Proceedings of the 2006 International Conference on Intelligent Computing (ICIC 2006)*, Kunming, China, pp. 893-901, 2006.
13. **Jiajun Yan**, David B. Bracewell, Fuji Ren, and Shingo Kuroiwa, “Maximum Entropy Based Semantic Analysis of Chinese,” in *Proceedings of Information-MFCSIT 2006*, Cork, Ireland, pp. 416-419, 2006.
14. **Jiajun Yan**, David B. Bracewell, Fuji Ren, and Shingo Kuroiwa, “SEEN: A Semantic Dependency Analyzer for Chinese,” in *Proceedings of the 10th WSEAS Multiconference on Computers*, 2006.
15. **Jiajun Yan**, David B. Bracewell, Fuji Ren, and Shingo Kuroiwa, “Automatically Determining Semantic Relations in Chinese Sentences,” in *Proceedings of the 2005 IEEE International Conference on Natural Language Processing and Knowledge Engineering (IEEE NLP-KE 2005)*, Wuhan, China, pp. 262–267, Nov. 2005.

Other

16. **Jiajun Yan**, David B. Bracewell, Fuji Ren, and Shingo Kuroiwa, “Automatically Determining Semantic Structure in Chinese Sentences,” tech. rep., IPSJ SIG NL-170-11, Okayama, Japan, Nov. 2005.
17. **Jiajun Yan**, David B. Bracewell, Fuji Ren, and Shingo Kuroiwa, “Automatically Annotating Semantic Dependency Structure for Chinese Sentences,” in *Proceedings of the 2005 Shikoku-section Joint Convention of the Institutes of Electrical and related Engineers (2005 SJCIEE)*, Takamatsu, Japan, Sep. 2005.
18. **Jiajun Yan**, Peilin Jiang, Fuji Ren, and Shingo Kuroiwa, “Semantic Analysis Using Compound Rules (in Japanese),” in *the 11th Language Processing Annual Conference*, Kagawa, Japan, Mar. 2005.

Translation

19. Kimio Iwamoto, “Chinese Mendun (From Japanese to Chinese),” Beijing Language and Culture University Press, Beijing, China, (To Appear)
20. Kimio Iwamoto, “Beijing Mendun (From Japanese to Chinese),” Beijing Language and Culture University Press, Beijing, China, 1998.

Editor

21. Medical Appraisal Guide Editorial Staff, “Mayotta Toki No Isya Erabi (Hiroshima, Revised Version) (In Japanese),” Nannansya Press, Hiroshima, Japan, 2001.