

CONTACT INFORMATION School of EECS, Oregon State University liang.huang@oregonstate.edu
1148 Kelley Engineering Center (KEC) <http://eecs.oregonstate.edu/~huanlian>
Corvallis, OR 97331, USA 541-737-4694 (o) 541-737-1300 (f)

EDUCATION **University of Pennsylvania**
Ph.D., Computer and Information Science *Sep. 2003 – Dec. 2008*
Advisors: [Aravind Joshi](#) and [Kevin Knight](#) (external, USC). Committee: [Mitch Marcus](#),
[Fernando Pereira](#), [Ben Taskar](#) (chair), and [Mark Johnson](#) (external, Brown)
Thesis: *Forest-based Algorithms in Natural Language Processing*.
(Nominated for the ACM Doctoral Dissertation Award.)

Shanghai Jiao Tong University

B.S., Computer Science (summa cum laude) *Sep. 1999 – July. 2003*
Thesis: *Probabilistic k-best Earley Parsing for Classical and Modern Chinese*.

PROFESSIONAL EXPERIENCE

Oregon State University

Assistant Professor, Computer Science, School of EECS *2015/9–present*

IBM T. J. Watson Research Center

Part-Time Research Scientist *2014/6–2017/1*

City University of New York (CUNY)

Assistant Professor, Computer Science, Queens College *2012/8–2015/8*

Doctoral Faculty, Computer Science, The Graduate Center *2012/8–2015/8*

University of Southern California (USC)

Research Assistant Professor, Computer Science *2010/7–2012/8*

Computer Scientist, Information Sciences Institute (ISI) *2009/7–2012/8*

Google Research (Mountain View):

Research Scientist (NLP group under Fernando Pereira) *2009/1–7*

RESEARCH INTERESTS

Natural Language Processing: linear-time algorithms for NLP, parsing, semantic parsing, machine translation, neural models for text modeling, parsing, and translation

Machine Learning: scalable structured prediction (with inexact inference), deep learning, learning latent structures from unstructured data, online learning and parallelization

Computational Biology: linear-time algorithms for RNA secondary structure prediction and protein folding, deep learning for genome sequences

Programming Languages: compilers & type theory for NLP; NLP techniques for PL

Algorithms/Theory: generic dynamic programming, *k*-best problems, formal language and automata theory, applications of computational geometry in NLP

Psycholinguistics: computational models of human sentence processing

See also: [Google Scholar Profile](#).

VISITING EXPERIENCE

Chinese Academy of Sciences, Institute of Computing Technology (ICT) *2007/10–2008/1*

HONORS AND
AWARDS*Research/Paper Awards*

- [Best Paper Honorable Mention, EMNLP 2016.](#) (Cross and Huang, 2016b)
- [Best Paper Award, ACL 2008](#) (Huang, 2008)
- Best Paper Award Nominations: ACL 2010, EMNLP 2008, and ACL 2007
- Yahoo! Faculty Research and Engagement Award, 2015
- Google Faculty Research Award, 2013
- Google Faculty Research Award, 2010
- Nominated for the ACM Doctoral Dissertation Award, 2009
- Invited to the Inaugural Facebook Natural Language Processing Faculty Summit, 2015

Teaching Awards

- [University Prize for Excellence in Teaching by Graduate Students,](#) University of Pennsylvania, 2005
- Nominated for the USC Viterbi School of Engineering Teaching Award, 2012

Programming Contest Awards (ACM/ICPC and OI)

- Champions (as faculty advisor), [ACM/ICPC Southern California Regionals](#) (advanced to the World Finals for the first time in USC history), 2011-2012.
- 4th Place, ACM International Collegiate Programming Contest, Shanghai site, 2000
- Bronze Medal (16th nationwide), National Olympiads in Informatics, China, 1996.

FUNDING

Total Amount of Funding Awarded to Liang Huang: **\$873,593** (my share).

Extramural:

- HP+OSU Seed Fund, “Activity Recognition from Sensors with Minimal Supervision”. PI. \$20,000. 2016-2017.
- Yahoo! Faculty Research and Engagement Award, “Incremental Semantic Parsing with Applications in Question Answering” (sole PI), unrestricted gift, \$25,000, 2015–2016.
- NSF, “EAGER: Collaborative Research: Scaling Up Discriminative Learning for Natural Language Understanding and Translation” (sole PI), \$135,372 for one year, 2014–2015.
- Google Faculty Research Award, “Towards Scalable Discriminative Training for Machine Translation: Fast Decoding, Parallelized Learning with Inexact Search, and Beam Ranking” (sole PI), unrestricted gift, \$87,947 for one year, 2013–2014.
- DARPA Deep Exploration and Filtering (DEFT) Program, “SPARKLER - Scalable Prosodic, Anomaly and Relational Knowledge exploration of Language with Enhanced Robustness” (co-PI), total amount of \$2,000,000 for 4.5 years (Liang Huang budget: \$504,024), 2012–2017.
- Google Faculty Research Award, “Linear-time Dynamic Programming for Parsing and Machine Translation” (PI), unrestricted gift, \$75,000 for one year, 2010–2011.

Intramural:

- OSU EECS Collaboration Initiative, PI: Huang, co-PI: D. Hendrix, one 12-month GRA (salary and intuition, ~\$47,000), 2016.

- CUNY QC Research Enhancement Award, “Type-Driven Incremental Semantic Parsing” (sole PI), \$8,250 for one year, 2015.
- PSC-CUNY Enhanced Research Award, “Scalable Machine Learning for Big-Data Natural Language Processing” (sole PI), \$12,000 for one year, 2013–2014.
- USC Viterbi School of Engineering Research Innovation Fund Award, “Search Error Robust Learning: Theory and Algorithms of Structured Prediction with Inexact Inference” (sole PI), \$6,000 for one year, 2012.

TEACHING
EXPERIENCE

Oregon State University

CS 519, Natural Language Processing	<i>Spring 2017</i>
CS 519, Graduate Algorithms (MS/MEng-level)	<i>Fall 2016</i>
CS 519, Scientific Writing and Presentation	<i>Spring 2016</i>
CS 480, Translators (Compilers)	<i>Winter 2016</i>
CS 321, Theory of Computation	<i>Fall 2015</i>

City University of New York (CUNY)

Graduate Center: CS 71010, Programming Language Theory	<i>Fall 2014, Fall 2013</i>
Graduate Center: LING 83600/CS 84010, Language Technology	<i>Fall 2014, Spring 2013</i>
Queens College: CS 3813/780: Advanced Programming	<i>Fall 2014, Spring 2014</i>
Graduate Center: CS 87100, Scientific Writing and Presentation	<i>Fall 2013</i>
Graduate Center: CS 84010, Machine Learning	<i>Spring 2013</i>
Queens College: CS 3813/780: Python Programming and Text Processing	<i>Fall 2012</i>

University of Southern California (USC) – all graduate courses

CS 570, Analysis of Algorithms	<i>Spring 2012</i>
CS 561, Artificial Intelligence (in Prolog, with K. Sagae)	<i>Spring 2012</i>
CS 562, Stat. Natural Language Proc. (with Chiang & Knight)	<i>Fall '11, Fall '10, Fall '09</i>
CS 599, Machine Translation (<i>new course</i> , with Chiang and Knight)	<i>Spring 2011</i>
CS 544, Natural Language Processing (with Hovy et al.)	<i>Spring 2010</i>
<i>Nominated for the USC Engineering School Teaching Award, 2012.</i>	

University of Pennsylvania – all undergraduate courses

CSE 399-004 Python Programming (<i>new course</i>)	<i>Spring 2006</i>
Teaching Assistant, CSE 320 Analysis of Algorithms	<i>Spring 2005</i>
Teaching Assistant, CSE 262 Automata, Complexity & Computability	<i>Fall 2004</i>
<i>Received <u>The University Graduate Teaching Award (2005)</u>.</i>	
<i>Recommended by the Department to be the first graduate student to teach a course.</i>	

Conference Tutorials: **Scalable Large-Margin Structured Learning: Theory & Algorithms**

ACL 2014, Baltimore, MD (attendance: ~100)	<i>June 2014</i>
ACL 2015, Beijing, China (attendance: ~100)	<i>July 2015</i>

Conference Tutorials: **Tree-based and Forest-based Translation** (with Yang Liu)

ACL 2010, Uppsala, Sweden (attendance: ~65)	<i>July 2010</i>
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Conference Tutorials: [Advanced Dynamic Programming for Computational Linguists](#)

COLING 2008, Manchester, UK (attendance: ~70)

Aug 2008

NAACL 2009, Boulder, CO (attendance: ~65)

May 2009

PUBLICATIONS

[\[Google Scholar\]](#)
[\[Semantic Scholar\]](#)

THESES/DISSERTATIONS

1. Liang Huang (2008). [Forest-Based Algorithms for Natural Language Processing](#). *Ph.D. Dissertation, University of Pennsylvania*.

Nominated for the ACM Doctoral Dissertation Award.

2. Liang Huang (2003). Probabilistic k -best Earley Parsing for Classical and Modern Chinese. *Bachelor's Thesis (with highest distinction), Shanghai Jiao Tong University*.

BOOKS

3. Rujia Liu and Liang Huang (2003). [The Art of Algorithms and Programming Contests \(in Chinese\)](#). Tsinghua University Press. *National best seller in computer science*.

JOURNAL ARTICLES

4. Wenbin Jiang, Yajuan Lü, Liang Huang and Qun Liu (2015). Automatic Adaptation of Annotations. *Computational Linguistics*, 41 (1), pp. 119-147.

5. Liang Huang, Hao Zhang, Daniel Gildea, and Kevin Knight (2009). [Binarization of Synchronous Context-Free Grammars](#). *Computational Linguistics*, 35 (4). December 2009. Conference version appeared at HLT-NAACL 2006 (see below).

6. Adam Lucas, Liang Huang, Aravind Joshi, and Ken Dill (2007). [Statistical Mechanics of Helix Bundles using a Dynamic Programming Approach](#). *J. Am. Chem. Soc. (JACS)*, 129 (14), pp. 4272-4281.

7. Ken Dill, Adam Lucas, Julia Hockenmaier, Liang Huang, David Chiang, and Aravind Joshi (2007). [Computational Linguistics: a new tool for exploring biopolymer structures and statistical mechanics](#). *Polymer*, 48 (15), pp. 4289-4300.

REFEREED CONFERENCE AND WORKSHOP PAPERS (29 in top-conferences.)

8. Kai Zhao, Liang Huang, and Mingbo Ma (2016). Textual Entailment with Structured Attentions and Composition. In *Proceedings of COLING*.

9. James Cross and Liang Huang (2016b). [Span-Based Constituency Parsing with a Structure-Label System and Provably Optimal Dynamic Oracles](#). In *Proc. of EMNLP*. **Best Paper Honorable Mention.**

10. James Cross and Liang Huang (2016a). Incremental Parsing with Minimal Features Using Bi-Directional LSTM. In *Proceedings of ACL*.

11. Reza Ghaeini, Xiaoli Fern, Liang Huang and Prasad Tadepalli (2016). Event Nugget Detection with Bidirectional Recurrent Neural Networks. In *Proceedings of ACL*.

12. Feifei Zhai and Liang Huang (2015). A Pilot Study Towards End-to-End MT Training. In *Proceedings of MT Summit XV*.

13. Feifei Zhai, Liang Huang and Kai Zhao (2015). Search-Aware Tuning for Hierarchical Phrase-based Decoding. In *Proceedings of EMNLP 2015*.

14. Mingbo Ma, Liang Huang, Bing Xiang, and Bowen Zhou (2015). Dependency-based Convolutional Neural Networks for Sentence Embedding. In *Proceedings of ACL 2015*.

15. Kai Zhao and Liang Huang (2015). Type-Driven Incremental Semantic Parsing with Polymorphism. In *Proceedings of NAACL 2015*.

16. Haitao Mi and Liang Huang (2015). Shift-Reduce Constituency Parsing with Dynamic Programming and POS Tag Lattice. In *Proceedings of NAACL 2015*.

17. I. Naim, Y. Song, Q. Liu, L. Huang, H. Kautz, J. Luo, and D. Gildea (2015). [Discriminative Unsupervised Alignment of Natural Language Instructions with Corresponding Video Segments](#). In *Proceedings of NAACL 2015*.

18. Lemao Liu and Liang Huang (2014). Search-Aware Tuning for Machine Translation. In *Proceedings of EMNLP 2014*.
19. Heng Yu, Haitao Mi, Liang Huang and Qun Liu (2014). A Structured Language Model for Incremental Tree-to-String Translation In *Proceedings of COLING 2014*.
20. Kai Zhao, Liang Huang, Haitao Mi, and Abe Ittycheriah (2014). Hierarchical MT Training using Max-Violation Perceptron. In *Proceedings of ACL 2014*.
21. Heng Yu, Liang Huang, Haitao Mi and Kai Zhao (2013). [Max-Violation Perceptron and Forced Decoding for Scalable MT Training](#). In *Proceedings of EMNLP 2013*.
22. Kai Zhao, James Cross, and Liang Huang (2013). [Dynamic Programming for Optimal Best-First Shift-Reduce Parsing](#). In *Proceedings of EMNLP 2013*.
23. Hao Zhang, Kai Zhao, Liang Huang, and Ryan McDonald (2013). [Online Learning for Inexact Hypergraph Search](#). In *Proceedings of EMNLP 2013*.
24. Yoav Goldberg, Kai Zhao, and Liang Huang (2013). [Efficient Implementation of Beam-Search Incremental Parsers](#). In *Proceedings of ACL 2013*.
25. Qi Li, Heng Ji, and Liang Huang (2013). [Joint Event Extraction via Structured Prediction with Global Features](#). In *Proceedings of ACL 2013*.
26. Kai Zhao and Liang Huang (2013). [Minibatch and Parallelization for Large-Margin Structured Learning](#). In *Proceedings of NAACL 2013*.
27. Liang Huang, Suphan Fayong, and Yang Guo (2012). [Structured Perceptron with Inexact Search](#). In *Proceedings of NAACL 2012*.
28. Ashish Vaswani, Liang Huang and David Chiang (2012). [Smaller Alignment Models for Better Translations: Unsupervised Word Alignment with the \$\ell_0\$ -norm](#). In *Proceedings of ACL 2012*.
29. Ashish Vaswani, Haitao Mi, Liang Huang and David Chiang (2011). [Rule Markov Models for Fast Tree-to-String Translation](#). In *Proceedings of ACL 2011*.
30. Liang Huang and Haitao Mi (2010). [Efficient Incremental Decoding for Tree-to-String Translation](#). In *Proceedings of EMNLP 2010*.
31. Liang Huang and Kenji Sagae (2010). [Dynamic Programming for Linear-time Incremental Parsing](#). In *Proceedings of ACL 2010*.
Nominated for the Best Paper Award.
32. Haitao Mi, Liang Huang, and Qun Liu (2010). Machine Translation with Lattices and Forests. In *Proceedings of COLING 2010*.
33. Liang Huang, Wenbin Jiang, and Qun Liu (2009). [Bilingually-Constrained \(Monolingual\) Shift-Reduce Parsing](#). In *Proceedings of EMNLP 2009*.
34. Wenbin Jiang, Liang Huang, and Qun Liu (2009). Automatic Adaptation of Annotation Standards: Chinese Word Segmentation and POS Tagging: A Case Study. In *Proceedings of ACL-IJCNLP 2009*.
35. Liang Huang (2008). [Forest Reranking: Discriminative Parsing with Non-Local Features](#). In *Proceedings of ACL 2008*.
Received the Best Paper Award.
Recognized in ACL 2012 as the **most-cited paper** published in 2008 within the [ACL Anthology](#) (most NLP conferences and journals).
36. Liang Huang (2008). [Advanced Dynamic Programming in Semiring and Hypergraph Frameworks](#). In *Proceedings of COLING 2008*. Survey paper to accompany the conference tutorial.
37. Haitao Mi and Liang Huang (2008). [Forest-based Translation Rule Extraction](#). In *Proceedings of EMNLP 2008*.
Nominated for the Best Paper Award.

38. Haitao Mi, Liang Huang and Qun Liu (2008). [Forest-based Translation](#). In *Proceedings of ACL 2008*.
39. Wenbin Jiang, Liang Huang, Qun Liu, and Yajuan Lü (2008). A Cascaded Linear Model for Joint Chinese Word Segmentation and Part-of-Speech Tagging. In *Proceedings of ACL 2008*.
40. Liang Huang and David Chiang (2007). [Forest Rescoring: Faster Decoding with Integrated Language Models](#). In *Proceedings of ACL 2007*.
Nominated for the Best Paper Award.
41. Liang Huang (2007). Binarization, Synchronous Binarization, and Target-side Binarization. In *Proceedings of NAACL Workshop on Syntax and Structure in Statistical Translation (SSST)*.
42. Liang Huang, Kevin Knight, and Aravind Joshi (2006). [Statistical Syntax-Directed Translation with Extended Domain of Locality](#). In *Proceedings of AMTA 2006*.
Preliminary version appeared in Proceedings of NAACL 2006 workshop on Computational Hard Problems in Speech and Language Processing.
43. Hao Zhang, Liang Huang, Dan Gildea and Kevin Knight (2006). [Synchronous Binarization for Machine Translation](#). In *Proc. of NAACL 2006*.
Journal version appeared in *Computational Linguistics* (2009). (see above)
44. Liang Huang and David Chiang (2005). [Better \$k\$ -best Parsing](#). In *Proceedings of the 9th International Workshop on Parsing Technologies (IWPT)*.
45. Liang Huang, Hao Zhang and Daniel Gildea (2005). [Machine Translation as Lexicalized Parsing with Hooks](#). In *Proceedings of the 9th International Workshop on Parsing Technologies (IWPT)*.
46. Stephanie Weirich and Liang Huang (2005). [A Design for Type-Directed Programming in Java](#). In *Electronic Notes in Theoretical Computer Science*, **138** (2), 117-136. (conference version listed below)
47. Stephanie Weirich and Liang Huang (2004). A Design for Type-Directed Programming in Java. In *Proceedings of the Workshop on Object-Oriented Developments (WOOD)*. Extended version as Penn/CIS Technical Report MS-CIS-04-11.
48. L. Huang, Y. Peng, Z. Wu, Z. Yuan, H. Wang and H. Liu (2003). Pseudo Context-Sensitive Models for Parsing Isolating Languages: Classical Chinese – A Case Study. In *Proceedings of the International Conference on Intelligent Text Processing and Computational Linguistics (CICLING)*. (poster)
49. L. Huang, Y. Peng, H. Wang, and Z. Wu (2002). PCFG Parsing for Restricted Classical Chinese Texts. In *Proceedings of the COLING Workshop on Chinese Processing (SIGHAN)*, Taipei.

INVITED TALKS

“Better k -best Parsing, Hypergraphs, and Dynamic Programming.”

- USC Information Sciences Institute (NL seminar), Marina del Rey, CA June 2005
- Google Research, Mountain View, CA Oct 2005
- New York University (NYCNLP series), New York, NY Nov 2005
- University of Rochester (big picture series), Rochester, NY Nov 2005
- Microsoft Research, Redmond, WA [video] Dec 2005
- University of Alberta (AI Seminar), Edmonton, Canada Oct 2006
- Universität Potsdam (CL Kolloquium), Potsdam, Germany June 2007
- Microsoft Research Asia, Beijing July 2007
- Institute of Automation, Chinese Academy of Sciences, Beijing Nov 2007

“Fast Decoding with Synchronous Grammars and n -gram Models.”

- Microsoft Research, Redmond [video] Dec 2006

- “Binarizing Synchronous Grammars for Machine Translation.”
- Institute of Computing Tech., Chinese Academy of Sciences, Beijing *July 2007*
 - Hong Kong University of Science and Technology (HKUST) *July 2007*
- “Forest-based Algorithms in Natural Language Processing.”
- Google Research, Mountain View, CA [\[video\]](#) *Mar 2008*
 - Johns Hopkins University (CLSP Seminar), Baltimore, MD [\[video\]](#) *Apr 2008*
 - Carnegie Mellon University (LTI Seminar), Pittsburgh, PA *May 2009*
 - Yahoo! Research, Santa Clara, CA *Aug 2009*
- “Tree-based and Forest-based Translation.”
- BBN Technologies, Cambridge, MA *Oct 2008*
 - Hong Kong University of Science and Technology (HKUST) *Nov 2008*
 - The Chinese University of Hong Kong (CUHK) *Nov 2008*
 - University of California at Berkeley (host: Dan Klein) *Feb 2009*
 - Pomona CS Colloquium + Harvey Mudd (hosts: Bruce and Kauchak) *Oct 2010*
- “Linear-time Dynamic Programming for Incremental Parsing.”
- University of California at San Diego (host: Roger Levy) *May 2010*
 - Google Research, Mountain View (host: Hiyan Alshawi) *July 2010*
 - Johns Hopkins University (CLSP Seminar, host: Fred Jelinek) [\[video\]](#) *Sep 2010*
 - MIT CSAIL (host: Michael Collins) *Oct 2010*
 - IBM Research, T.J. Watson (hosts: Salim Roukos and Bing Zhao) *May 2011*
 - AT&T Labs Research, Florham Park, NJ *Jan 2013*
 - Educational Testing Service (ETS), Princeton, NJ *May 2013*
 - Facebook, Palo Alto (NLP Faculty Summit) *Oct 2015*
- “Structured Learning with Inexact Inference.”
- Columbia University (host: Michael Collins) *Apr 2012*
 - University of Massachusetts, Amherst *Mar 2013*
 - Baidu Inc., Beijing *Jan 2014*
- “Search-Aware Tuning for Machine Translation.”
- Bloomberg Research *Nov 2014*
 - Columbia University *Oct 2014*
- “Large-Scale Discriminative Training for Machine Translation.”
- USC Information Sciences Institute (USC/ISI) [\[video\]](#) *Sep 2013*
 - Johns Hopkins University *Nov 2013*
 - Microsoft Research Asia, Beijing *Jan 2014*
 - Microsoft Research, Redmond, WA [\[video\]](#) *Feb 2014*
- “Linear-time Language Understanding and Learning.”
- Carnegie Mellon University (Faculty Candidate Talk) *Feb 2012*
 - TTI Chicago *Mar 2012*
 - University of Rochester (CS Colloquium) *Oct 2012*
 - Stony Brook University (CS Colloquium) *Sep 2013*
 - Tsinghua University *Jan 2014*

- University of Washington, Seattle, WA (UW-MSR Joint Symposium) *Feb 2014*
 - University of Oregon, Eugene, OR *Feb 2015*
- “Linear-Time Structure Prediction in Language and Biology.”
- University of Rochester, Rochester, NY *Feb 2017*
- “Linear-Time Prediction of RNA Secondary Structures.”
- Center for Genome Research and Biocomputing, Oregon State University *Feb 2017*
 - Mathematical Biology Seminar, Dept. of Mathematics, Oregon State University *Mar 2017*

PROFESSIONAL
SERVICE

- NSF Panelist, 2014, 2015, 2017 \times 2.
- Grant Proposal Reviewer, Foreign NSFs: Canadian (NSERC), 2017; Dutch (NWO), 2017; Israeli (ISF), 2015.
- Area Chair, IJCNLP 2017 (Tagging and Parsing), EMNLP 2016 (Segmentation, Tagging, and Parsing), ACL 2014 (Machine Translation), and ACL 2012 (Syntax and Parsing)
- Senior Program Committee, IJCAI 2016 and IJCAI 2013
- Standing Review Committee, Transactions of the ACL (TACL), 2014–2016
- Program Co-Chair, International Conference on Parsing Technologies (IWPT 2013)
- Textbook Reviewer: *Cambridge University Press*, 2016; *Oxford University Press*, 2010
- Journal Reviewer for
 - *Journal of Artificial Intelligence Research (JAIR)*, 2014, 2016
 - *Transactions of the Association of Computational Linguistics (TACL)*, 2012–
 - *Journal of Natural Language Engineering*, 2011
 - *Computational Intelligence*, 2011
 - *ACM Transactions on Intelligent Systems and Technology*, 2010–2011
 - *Journal of Computer Science and Technology*, 2010
 - *Computational Linguistics*, 2008–2009, 2011, 2015
 - *IEEE Transactions on Audio, Speech and Language Processing*, 2008
 - *ACM Transactions on Asian Language Information Processing*, 2008, 2011
- Conference PC Member for
 - ICML 2016
 - AAAI 2015
 - ACL, annually 2006–present (top conference)
 - HLT-NAACL, annually 2007–present (top conference)
 - EMNLP, annually 2007–present (top conference)
 - IWPT 2011; MT Summit 2009; AMTA 2008; CoNLL 2007–2009

INTERNAL SERVICE

- Data Science Hiring Committee, College of Engineering, Oregon State U., 2016–2017.
- CS Undergrad. Curriculum Committee, School of EECS, Oregon State U., 2015–2016.
- Curriculum Committee, CUNY Graduate Center CS Program, 2012–2015.

- Co-Organizer, [CUNY NLP Seminar Series](#), 2012–2015.
 - Co-Organizer and Coach, CUNY/QC Programming Contests, 2013–2015.
 - PhD Admissions and Fellowship Committee, USC CS Dept, 2010–2012.
 - Co-Organizer and Coach, USC Programming Contests (ACM/ICPC), 2009–2012. Champions, Southern California Regionals, 2011 (first time in USC history)
 - Co-Organizer, NACLO: Computational Linguistics Olympiad, USC/ISI site, 2009–2012.
- POSTDOCS
- [Lemao Liu](#) (2013/11–2014/7): machine translation, structured prediction. Now Research Scientist at NICT, Japan.
 - [Feifei Zhai](#) (2014/9–2015/8): machine translation, unsupervised learning. Now Research Staff Member at IBM Watson.
- PHD STUDENTS (GRADUATED)
- [Ashish Vaswani](#) (USC, co-advised by D. Chiang). Defended June 2014. Unsupervised learning, small models, and deep learning. Now Research Scientist at Google Brain.
 - [James Cross](#) (CUNY→Oregon State). Defended December 2016. Parsing with Recurrent Neural Networks. Now Research Scientist at Facebook.
- PHD STUDENTS (ACTIVE)
- [Kai Zhao](#) (CUNY→Oregon State). Since Fall 2012. Defense in Spring 2017. structured prediction, parsing algorithms, machine translation, semantic parsing.
 - [Mingbo Ma](#) (CUNY→Oregon State). Since Fall 2013.
 - [Dezhong Deng](#) (CUNY→Oregon State). Since Spring 2014.
 - [Juneki Hong](#) (Oregon State). Since Fall 2016.
- M.S. THESIS STUDENTS
- [Luyao Zhang](#) (2015–2016). Now CS instructor at Oregon State.
- VISITING STUDENTS & SUMMER INTERNS
- Wen Zhang (Ph.D. student from CAS/ICT, 2016/7-12): neural machine translation.
 - Horace Pan (undergrad from Cornell, 2014/9-12): latent variable structured prediction. Now Ph.D. student at U. Chicago.
 - Heng Yu (Ph.D. student from CAS/ICT, 2013/7–11): machine translation, latent variable structured prediction. Now Research Scientist at Samsung (Beijing).
 - Zhuoran Yu (M.S. student from NYU-Poly, 2013/6–2013/9): parsing algorithms. Now Software Engineer at Google Research, NYC.
 - Andy Rivas (undergrad at CUNY, Summer 2014): machine translation.
 - Haiqiang Zou (undergrad at CUNY, Summer 2014): machine translation.
 - Licheng Fang (PhD, Rochester), Summer 2011. Now Software Engineer at Google.
 - [Alexander Rush](#) (PhD, MIT), Summer 2010. Now Asst. Professor at Harvard.
 - [Yoav Goldberg](#) (PhD, Ben Gurion), Summer 2010 (with Knight & Chiang). Now Senior Lecturer at Bar Ilan University.
- VISITING SCHOLARS & PROFESSORS
- Dr. Haitao Mi, CAS/ICT, China, 2010–2011. Now Research Scientist at IBM.
- PHD COMMITTEE SERVICE
- External Committee Member/Examiner:
- Francesco Sartorio, Università di Padova (advisor: Giorgio Satta), expected Feb. 2015
 - Licheng Fang, University of Rochester (advisor: Dan Gildea), defended Aug. 2013

Internal:

- Liping Liu, OSU (advisor: Tom Diettrich)
- Reza Ghaeini, OSU (advisor: Xiaoli Fern)
- Hamed Shahbazi, OSU (advisor: Xiaoli Fern)
- Rasha Obeidat, OSU (advisor: Xiaoli Fern)
- Zahra Iman, OSU (advisor: Scott Sanner)
- Xiannian Fan, CUNY (advisor: Changhe Yuan), defended Apr. 2016
- Jie Chu, CUNY (advisor: Ping Ji), expected 2015
- Pengfei Lu, CUNY (advisor: Matt Huenerfauth), defended Oct. 2013
- Zheng Chen, CUNY (advisor: Heng Ji), defended Sep. 2012.

OTHER MENTORING Master's Students at USC

- Theerawat Songyot (2012–, integer linear programming and decipherment, *Fulbright Scholar*), Phani Vempaty (2011, parsing), Suphan Fayong (2011–2012, structured learning, *Fulbright Scholar*), Yixuan Wu (2011, poetry), Jun Ma (2011, structured learning, now at Bloomberg), Yang Guo (2010–2011, parsing and POS tagging, now at Bloomberg), Jayadev Jayaraman (2010, co-advised by D. Chiang, machine translation), William Chang (2009, reranking, now at Google)

Undergraduate Students at USC: Elizabeth Deng, 2011

Mentoring at Institute of Computing Technologies, Chinese Academy of Sciences

- Haitao Mi, Ph.D. 2009 (primary advisor: Prof. Qun Liu)
- Wenbin Jiang, Ph.D. 2011 (primary advisor: Prof. Qun Liu)

OTHER
INFORMATION

- Citizen of the People's Republic of China. Permanent Resident of the US.
- Born April 1981, Shanghai, China.
- Human Languages: Wu and Mandarin (native); English (fluent); French, Spanish and Italian (basic); Japanese (basic conversational).
- Computer Languages: Python, Haskell, OCaml, L^AT_EX, Java, C/C++, Pascal, Prolog.
- Hobbies/Interests: Historical Geography, Historical Linguistics, History of Mathematics, Classical Chinese (esp. poetry), Classical Music, Ping-Pong, Badminton, Football (Soccer not "handegg"!), Go, English poetry (esp. Shakespearean sonnet and Robert Frost), etc.

LAST UPDATED March 2017.