Michael White

Department of Linguistics
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Research interests

Computational linguistics, semantics and discourse structure, natural language generation, spoken language and multimodal dialogue systems.

Education

◇ **University of Pennsylvania**, Philadelphia, PA — M.S., 1992; Ph.D., 1994
Computer and Information Science
Dissertation: *A Computational Approach to Aspectual Composition*
Advisor: Mark Steedman
Committee: Aravind Joshi, Bonnie Webber, Norman Badler, Richard Oehrle

◇ **University of North Carolina**, Chapel Hill, NC — B.S., 1988
Mathematical Sciences, Highest Honors

Honors

National Science Foundation Graduate Fellowship
University of Pennsylvania Dean's Fellowship
Phi Beta Kappa

Awards

◇ **Erasmus Mundus Visiting Scholar**, Univ. of Saarbrücken — 2015

◇ **International Research Collaboration Award**, Univ. of Sydney — 2013
Closing the loop: Combinatory Categorial Grammar parsing and generation of natural language (with Dr. James Curran)

Experience

Academic Research Experience

◇ **Professor**, The Ohio State University — June 2019 – present
Department of Linguistics

Current Research:

- **Generating disambiguating paraphrases:** Devising methods of avoiding ambiguity in generation, in particular for clarifying alternative interpretations through paraphrases.
- **Computational discourse semantics:** Developing theoretically informed yet computationally practical methods of representing meaning beyond the sentence level.
- **Monolingual word alignment and answer matching:** Investigating methods of aligning words and phrases between candidate paraphrases, with applications in matching actual and anticipated questions in dialogue.
- **Inducing broad-coverage resources for parsing and realization:** Investigating methods of inducing broad coverage, precise OpenCCG grammars from existing resources, along with psycholinguistically informed ranking models for choosing preferred interpretations and realizations.

Previous Research:

- **Integrating natural language generation and speech synthesis:** Developing methods for adapting a language generator to the strengths and weaknesses of a synthetic voice. Investigating methods of using information structure to specify contextually appropriate intonation.

- **Building expressive synthetic voices:** Developing methods of optimizing the selection of sentences to record in building an expressive synthetic voice, using machine learning and taking intonation into account. Evaluating the effectiveness of expressive synthetic voices using eye tracking.

◇ **Associate Professor**, The Ohio State University — Oct. 2011 – May 2019
Department of Linguistics

◇ **Assistant Professor**, The Ohio State University — Sept. 2005 – Sept. 2011
Department of Linguistics

◇ **Consultant**, University of Edinburgh — June 2005 – Sept. 2005; Aug.–Sept. 2006
School of Informatics

- Devised novel algorithm for surface realization from disjunctive logical forms, and implemented initial version in OpenCCG.
- Extended coverage of sentence planner and grammar in the FLIGHTS spoken language dialogue system.
- Advised on grammar development for Methodius project.

◇ **Research Fellow**, University of Edinburgh — June 2002 – May 2005
School of Informatics

Accomplishments:

- Developed the OpenCCG open source realizer for Combinatory Categorial Grammar, the first practical, reusable realizer for CCG.
- On the COMIC (COnversational Multimodal Interactions with Computers) project, led the specification of the output side of the system; developed the OpenCCG grammar; helped design the multimodal content planner and the system's ontology; jointly developed custom unit selection voice; and coordinated the output-oriented evaluation of the system.
- For the FLIGHTS (Fancy Linguistically Informed Generation of Highly Tailored Speech) project, jointly devised algorithm for using user model to determine contextually appropriate intonation; developed techniques for XSLT-based sentence planning; developed OpenCCG grammar; and helped build custom unit selection voice.

Industry Experience

◇ **Visiting Researcher**, Facebook — Aug.–Dec. 2018; Aug.–Aug. 2020–2021

- Dialogue and NLG

◇ **Consultant**, Knexus Research — May–Oct. 2010; Aug.–Dec. 2011; Sept.–April 2012–2013

- Developed OpenCCG grammar for parsing and realizing instructions with spatial locatives.
- Provided advice on API-level integration with OpenCCG.
- Developed CFG compiler for OpenCCG grammars for use in speech recognition.

◇ **Senior Computational Linguist**, CoGenTex, Inc. — July 1994 – June 2002
Ithaca, NY

Highlights:

- Developed Exemplars, an object-oriented framework for dynamic text generation with XML. The Exemplars framework has served as an enabling technology for all of CoGenTex's commercial applications, including its *Project Reporter* and *Chart Explainer* products; *Recommender*, licensed to Active Decisions, and patented as US

7,418,447 B2; and *Definition Builder*, a unique tool developed by CoGenTex for Experian that employs natural language feedback texts to support point-and-click editing of complex query definitions.

- As technical lead of the *Definition Builder* team during a four-year, three person consulting effort, designed and implemented the internal high-level query representation language and associated APIs, and coordinated the development of continual usability improvements. *Definition Builder* was successfully rolled out within Experian after the first year of the project.
- Designed and jointly implemented the CogentHelp prototype for authoring dynamically generated on-line help.
- Developed the RIPTIDES summarizer, which combined natural language generation based on information extraction with extractive summarization into hypertext reports.

Grants and Research Contracts

- **Facebook**, Collaborative Research Agreement $2,385,258; 2019–2022
  "Enhancing Quality and Controllability of Neural Natural Language Generation"
- **National Institutes of Health**, AHRQ Grant $2,000,000; 2018–2023
  "Improving Patient Safety using Virtual Reality," with Douglas Danforth PI.
- **National Science Foundation**, Robust Intelligence Grant $450,000; 2016–2019
  "RI: Small: Using Automatically Generated Paraphrases and Discriminative ASR Training to Author Robust Question-Answering Dialogue Systems," PI (with co-PIs Eric Fosler-Lussier, Douglas Danforth and William Schuler), grant no. IIS-1618336.
- **National Science Foundation**, Workshop Grant $31,977; 2016–2017
  "Workshop: Uphill Battles in Language Technology," PI, with co-PIs Annie Louis (Univ. Essex), Michael Roth (Univ. Edinburgh), Bonnie Webber (Univ. Edinburgh) and Luke Zettlemoyer (Univ. Washington), grant no. 1640428.
- **National Science Foundation**, Robust Intelligence Grant $307,982; 2013–2018
  "Closing the Loop: Inducing High-Precision Grammars for Generating Disambiguating Paraphrases," grant no. IIS-1319318.
- **National Board of Medical Examiners**, Research Grant $74,068; 2013–2014
  "Virtual patients simulations to assess data-gathering and clinical reasoning," co-PI (with 4 others), Douglas Danforth PI, grant no. 1112-064.
- **Air Force Research Laboratory**, Research Contract $198,945; 2012
  "Monolingual Multiword Alignment and Grammar-Based Paraphrase Generation for Detecting Semantic Similarity and Evaluating MT," subcontract to BBN contract no. FA8750-09-C-0179.
- **National Science Foundation**, Robust Intelligence Grant $149,937; 2011–2014
  "Exploratory Research on Acquiring and Adapting Sentence Planning Resources for Generating with Discourse Combinatory Categorial Grammar," grant no. IIS-1143635.
- **National Science Foundation**, Robust Intelligence Grant $396,621; 2008–2012
  "Learning to Generate High Quality Paraphrases with a Broad Coverage Lexicalized Grammar," grant no. IIS-0812297 (includes two REU supplements).
- **The Ohio State University**, Innovation Grant $40,900; 2007–2009
  "Building Expressive Synthetic Voices for Conversational Systems," Arts and Humanities Innovation Grant. PI, with co-PIs Chris Brew and Eric Fosler-Lussier.
- **National Science Foundation**, Workshop Grant $23,000; 2007
  "A Proposal for a Workshop on Shared Tasks and Comparative Evaluation in Natural Language Generation." PI, with co-PI Robert Dale, Macquarie University.
- **DARPA**, TIDES Text-Processing Initiative $1,300,000; 2000–2002
  "Rapidly Portable Translingual Information Extraction and Interactive Multidocument Summarization," contract no. N66001-00-C-8009. Co-PI with Claire Cardie, Cornell University.

◇ **Army Research Laboratory**, SBIR Phase I $75,000; 1999
"Translingual Information Access," contract no. DAAD17-99-C-0005. Co-PI with Martha Palmer, University of Pennsylvania.

◇ **Air Force Research Laboratory**, SBIR Phase II $750,000; 1994–1998
"Linguistically-Based Software Documentation," contract no. F30602-94-C-0124. Took over as PI after the first year of the project.

Open Source Software

◇ **OpenCCG** (http://openccg.sourceforge.net) 2002–present
Managed library development since 2002 and developed surface realizer. To date, OpenCCG has been used in the COMIC, FLIGHTS, CrAg, Methodius and INDIGO projects in Edinburgh; the DIALOG, SAMMIE, CoSy and Adapting Information Density projects in Saarbrücken; the JAST project in Munich; the AdaRTE project in Pavia; the STaR-UI project in Eveleigh, New South Wales. It has also been used for teaching purposes in Edinburgh, Saarbrücken, Ankara, Austin and Columbus, and has played an important role in multiple dissertations and thesis projects. Version 0.9.5 was released in March, 2013, and a grammar compiler for the Sphinx speech recognition system (developed for Knexus Research Corporation) was released open source in 2014. According to SourceForge, OpenCCG releases have been dowloaded over 10,000 times.

◇ **MadlyAmbiguous** (http://madlyambiguous.osu.edu) 2016–2018
Supervised the development of this demo/game for teaching students about structural ambiguity and the difficulties it poses for natural language processing, both in undergraduate classrooms as well as in informal science learning at the COSI Language Pod.

Patents

◇ **US 7,418,447 B2** 2008
David E. Caldwell, Michael White and Tanya Korelsky, *Natural Language Product Comparison Guide Synthesizer* (filed Jan. 2001, awarded Aug. 2008).

Activities

◇ **Invited Talks**

University of North Carolina 2019
"Constrained Decoding for Neural NLG from Compositional Representations in Task-Oriented Dialogue"

North Carolina State University 2019
"Combining CNNs and Pattern Matching for Question Interpretation in a Virtual Patient Dialogue System: The Replication"

Australasian Language Technology Association 2018
"Parsing with Dynamic Continuized CCG"

Facebook 2018
"Ambiguity Avoidance in Natural Language Generation: Steering Clear of *Vicious* Ambiguities, Crowdsourcing Clarifications for Parser Training, and What's Next"

Case Western Reserve University 2017
"Ambiguity Avoidance in Natural Language Generation: Steering Clear of *Vicious* Ambiguities and Crowdsourcing Clarifications for Parser Training"

University of Aberdeen 2016
"Dependency Locality in Natural Language Generation"

University of Tübingen 2015
"Locality Effects and Ambiguity Avoidance in Natural Language Generation"

University of Saarland, Saarbrücken 2015
"Locality Effects and Ambiguity Avoidance in Natural Language Generation"

University of Sydney 2013
"Making Better Use of Syntax in Monolingual Alignment"

Macquarie University 2012
"Feature Engineering for Multiword Monolingual Alignment"

Macquarie University 2012
"Minimal Dependency Length in Realization Ranking"

University of Texas 2012
"Minimal Dependency Length in Realization Ranking"

Australian HCSNet WinterFest Mini-Course 2010
"Statistical Natural Language Generation"

University of Indiana 2010
"Generating with Discourse Combinatory Categorial Grammar"

University of Edinburgh 2009
"Generating with Discourse Combinatory Categorial Grammar"

University of Illinois, Urbana-Champaign 2008
"Towards High-Quality Paraphrasing with CCG"

University of Edinburgh 2006
"Learning to Say It Well: Reranking Realizations by Predicted Synthesis Quality"

University of Saarland, Saarbrücken 2005
"Anytime Example-Driven Realization with CCG"

ITRI, University of Brighton 2003
"Anytime Chart Realization with CCG"

University of Rochester 2000
"Multidocument Summarization via Information Extraction"

North Carolina State University, Raleigh 1999
"Building NLG Systems with EXEMPLARS"

Cornell University, Ithaca 1998
Topic: Careers in Computational Linguistics

Carnegie Mellon University, Pittsburgh 1995
"A Computational Approach to Aspectual Composition"

◇ **Squibs Editor**
Computational Linguistics 2017–present

◇ **Editorial Board Member**
Computational Linguistics 2010–2012

◇ **Board Member**
North American Chapter of the Association for Computational Linguistics (NAACL), Secretary 2014–2015
Special Interest Group in Natural Language Generation (SIGGEN) 2007–2010

◇ **Professional Committees**
NAACL Nominating Committee, chair 2018 NAACL Nominating Committee 2016–2017

◇ **Shared Task Organizer**
1^{st} Generation Challenges Surface Realization Shared Task 2011

◇ **Conference/Workshop Organizer**
Co-organizer, Workshop on Discourse Structure in Neural NLG 2019
Co-organizer, Workshop on Uphill Battles in Language Technology 2016
Publications Co-Chair, ACL 2012
Co-organizer, International Natural Language Generation Conference 2008
Local Sponsorship Chair, ACL: HLT 2008
Co-organizer, Workshop on Shared Tasks and Comparative Evaluation in Natural Language Generation 2007

◇ **Local Host**
North American Computational Linguistics Olympiad 2010–2012

◇ **Panelist**

NSF Review Panels (8)	2006–2020
"NLG Idol" Panel at INLG on Underappreciated Work in NLG	2014
ACL TeachCL Workshop Panel on Interdisciplinary Teaching	2008
ENLG-01 Panel on Search Methods for NLG	2001
AAAI Fall Symposium Panel on Layout and Generation	2000

◇ **Ad hoc Proposal Review**

NSF (4)	2014–2015
EPSRC (2)	2012–2014

◇ **Promotion Review**

Macquarie University, Promotion for Dr. Mark Dras 2020

◇ **Program Committee Chair**

INLG 2008

◇ **Senior Area Chair**

EMNLP 2019, ACL 2021

◇ **Area Chair / Senior Program Committee Member**

INLG 2020, EMNLP 2020, COLING 2020, NAACL-HLT 2019, NAACL-HLT 2018, COLING 2016, NAACL-HLT 2007

◇ **Program Committee Member (Recent)**

EACL 2021, AAAI 2021, HLD 2020, BEA 2020, ACL 2020, SyntaxFest 2019, BEA-14 (2019), ACL 2019, INLG 2018, EMNLP 2018 (Best Reviewer Award), SRST 2018, BEA-13 (2018), ACL 2018, NAACL 2018, BEA-12 (2017), INLG 2017, EMNLP 2017, ACL 2017, EACL 2017, TLT 2017, DGfS 2017, EMNLP 2016, INLG 2016, ACL 2016, NAACL 2016, BEA-11 (2016), ACL 2015, NAACL 2015, CG 2015, TLT 2014, ACL 2014, INLG 2014, COLING 2014, NAACL 2013, ENLG 2013, COLING 2012, EACL 2012, NAACL 2012, INLG 2012, *SEM 2012, SemDial 2011 (Los Angelogue), ENLG 2011, ACL HLT 2011, ACL HLT 2011 Workshop on Text-to-Text Generation, NAACL HLT 2010, INLG 2010, ACL 2010 Student Research Workshop, COLING 2010, NAACL HLT 2009, ENLG-09, MCLC-09, UCNLG-09, EMNLP-09, SIGDIAL-09, EMNLP-08, ACL-08: HLT, MCLC-08, UCNLG-07, AAAI-07, Workshop on Shared Tasks and Comparative Evaluation in Natural Language Generation (2007), ACL 2007 Workshop on Deep Linguistic Processing, ACL-06, EMNLP-06, EACL-06, ENLG-05, ACL-05 Workshop on Software, FLAIRS-04, AAAI-04, ACL-04, COLING-04

◇ **Reviewer for Journal**

Computational Linguistics (36 times, including two squibs), *Speech Communication* (thrice), *Journal of Artificial Intelligence Research* (twice), *Language Resources and Evaluation*, *Research on Language and Computation*, *ACM Transactions on Asian Language Information Processing* (twice), *Logic Journal of the IGPL*, *Computers and the Humanities*

◇ **Society Memberships**

Association for Computational Linguistics (ACL)	1988–present
Special Interest Group in Natural Language Generation (SIGGEN)	1995–present
Special Interest Group in Computational Semantics (SIGSEM)	2001–present
Special Interest Group in Discourse and Dialogue (SIGDIAL)	2005–present
Association for Computing Machinery (ACM)	1997–1999

◇ **News Interviews**

Interviewed by Samantha Schwartz for *CIO Dive*	July 2018
Interviewed by Ben Zimmer for *The Atlantic*	June 2018
Interviewed by Vova Zakharov for Smartcat.ai	Nov. 2017
Interviewed by MeiXing Dong for Robohub Podcast	May 2017
Interviewed by Bastian Kaiser, University of Dortmund	May 2017
Interviewed by Adrian Lobe for Frankfurter Allgemeine Zeitung	Apr. 2015

Interviewed by Tom Simonite for MIT Technology Review	Jan. 2015
Interviewed by Randall Stross for New York Times	Nov. 2010

Teaching

◇ **The Ohio State University**

Ling 5802: Computational Linguistics II: Statistical NLP	Spring, 2020
Ling 7890.08: Clippers: A Computational Linguistics Discussion Group	Spring, 2020
Ling 7890.08: Clippers: A Computational Linguistics Discussion Group	Autumn, 2019
CSE 5522: Survey of Artificial Intelligence II: Advanced Topics	Spring, 2019
Ling 8800: Seminar on Advances in Computational Semantics	Spring, 2018
Ling 7890.08: Clippers: A Computational Linguistics Discussion Group	Spring, 2018
Ling 3802/3802H: Language and Computers (with Honors section)	Autumn, 2017
Ling 7890.08: Clippers: A Computational Linguistics Discussion Group	Autumn, 2017
Ling 3802/3802H: Language and Computers (with Honors section)	Spring, 2017
Ling 7890.08: Clippers: A Computational Linguistics Discussion Group	Spring, 2017
Ling 8800: Seminar on Recognizing and Generating Paraphrases	Autumn, 2016
Ling 3802: Language and Computers	Autumn, 2016
Ling 7890.08: Clippers: A Computational Linguistics Discussion Group	Autumn, 2016
Ling 5803: Computational Semantics	Spring, 2016
Ling 3802/3802H: Language and Computers (with Honors section)	Spring, 2016
Ling 7890.08: Clippers: A Computational Linguistics Discussion Group	Spring, 2016
Ling 3802: Language and Computers	Autumn, 2015
Ling 7890.08: Clippers: A Computational Linguistics Discussion Group	Autumn, 2015
Ling 3802/3802H: Language and Computers (with Honors section)	Spring, 2015
Ling 6001: Proseminar in Linguistics	Spring, 2015
Ling 3802: Language and Computers	Autumn, 2014
Ling 6001: Proseminar in Linguistics	Autumn, 2014
Ling 8800: Seminar on Lightly Supervised Grammar Induction	Spring, 2014
Ling 6001: Proseminar in Linguistics	Spring, 2014
Ling 3802/3802H: Language and Computers (with Honors section)	Autumn, 2013
Ling 6001: Proseminar in Linguistics	Autumn, 2013
Ling 684.03: Computational Semantics	Spring, 2012
Ling 800: Proseminar in Linguistics	Spring, 2012
Ling 684.02: Statistical NLP	Winter, 2012
Ling 800: Proseminar in Linguistics	Winter, 2012
Ling 800: Proseminar in Linguistics	Autumn, 2011
Ling H384: Language and Computers (Honors section)	Spring, 2011
Ling 795.04: Clippers: A Computational Linguistics Discussion Group	Spring, 2011
Ling 684.02: Statistical NLP	Winter, 2011
Ling 795.04: Clippers: A Computational Linguistics Discussion Group	Winter, 2011
Ling 795.04: Clippers: A Computational Linguistics Discussion Group	Autumn, 2010
Ling 684.02: Statistical NLP	Spring, 2010
Ling 800: Proseminar in Linguistics	Spring, 2010
Ling 800: Proseminar in Linguistics	Winter, 2010
Ling 684.03: Computational Semantics	Autumn, 2009
Ling 800: Proseminar in Linguistics	Autumn, 2009
Ling 884: Seminar on Statistical Parsing and Realization	Spring, 2009
Ling 795.04: Clippers: A Computational Linguistics Discussion Group	Spring, 2009
Ling H201: Introduction to Language in the Humanities (Honors section)	Winter, 2009
Ling 795.04: Clippers: A Computational Linguistics Discussion Group	Winter, 2009
Ling 684.03: Computational Semantics	Autumn, 2008
Ling 795.04: Clippers: A Computational Linguistics Discussion Group	Autumn, 2008
OSU Mini-Institute: Corpus-Based Computational Linguistics	Summer, 2008
Ling H384: Language and Computers (Honors section)	Spring, 2008
Ling 795.04: Clippers: A Computational Linguistics Discussion Group	Spring, 2008

Ling 884: Seminar on Generating and Interpreting Referring Expressions	Winter, 2008
Ling 795.04: Clippers: A Computational Linguistics Discussion Group	Winter, 2008
Ling 795.10: Computational Semantics	Autumn, 2007
Ling 795.04: Clippers: A Computational Linguistics Discussion Group	Autumn, 2007
Ling H384: Language and Computers (Honors section)	Spring, 2007
Ling 884: Seminar on Corpus-Based Grammar Engineering	Spring, 2007
Ling 795.04: Clippers: A Computational Linguistics Discussion Group	Spring, 2007
Ling 795.04: Clippers: A Computational Linguistics Discussion Group	Winter, 2007
Ling 795.10: Introduction to Computational Semantics	Autumn, 2006
Ling 795.04: Clippers: A Computational Linguistics Discussion Group	Autumn, 2006
Ling 795.10: Introduction to Natural Language Generation	Spring, 2006
Ling H384: Language and Computers (Honors section)	Spring, 2006
Ling 884: Seminar on Empirical Methods in NLG	Winter, 2006

◇ **University of Edinburgh**
Dialogue and Natural Language Generation — Spring, 2003–2005
Gave guest lectures and helped students (each year).

◇ **University of Pennsylvania**
Introduction to Computer Programming — Fall-Spring, 1990–1991
Teaching Assistant and Recitation Instructor.

Advising and Mentoring

◇ **Ph.D. Students**

Ashley Lewis, Dept. Linguistics, OSU	2019–present
Willy Cheung, Dept. Linguistics, OSU	2015–present
David King, Dept. Linguistics, OSU	2014–2019
Dennis Mehay, Dept. Linguistics, OSU	2011–2012
David Howcroft, Dept. Linguistics, OSU	2010–2014
Adriane Boyd, Dept. Linguistics, OSU	2008–2012
Rajakrishnan Rajkumar, Dept. Linguistics, OSU	2008–2012
Crystal Nakatsu, Dept. Linguistics, OSU	2006–present
Stephen Boxwell, Dept. Linguistics, OSU	2006–2011
Dominic Espinosa, Dept. Linguistics, OSU	2006–2014
Scott Martin, Dept. Linguistics, OSU	2006–2011

◇ **M.Sc. Students**

Reid Fu, Dept. Computer Science — 2017–2018
Supervised research on using neural networks for lexical category prediction in natural language generation.

Ajda Gokcen, Dept. Linguistics, OSU — 2015–2016
Supervised TIE-funded work on word-level paraphrase alignment annotation, leading to LREC 2016 paper.

Andrew Watts, Dept. Linguistics, OSU — Spring, 2006
Advised on research paper; exam committee member.

Neide Franca Rocha, Dept. Linguistics, Edinburgh — Summer, 2004
Co-advised thesis project. Enrolled as a Ph.D. student at the University of Edinburgh.

Rachel Baker, Dept. Linguistics, Edinburgh — Summer, 2003
Co-advised thesis project. Enrolled as a Ph.D. student at the Northwestern University.

◇ **Undergraduate Students, Honors**

Sarah Ewing, Dept. Linguistics, OSU — 2017–2019
Supervised investigation of domain-adapted automatic spelling correction for interpreting chatted questions in the virtual patient project. Received ASC Undergraduate Research Scholarship and presented in Denman Forum. Also supervising continuing work on para-

phrasing with question templates for data augmentation in the virtual patient project, supported by an NSF REU Fellowship.

Amad Hussain, Dept. Computer Science 2017–present
Supervised research on paraphrasing using neural machine translation for data augmentation in the virtual patient project. Also supervising continuing work on using contextualized word embeddings for word alignment in paraphrases.

Ethan Hill, Dept. Computer Science, OSU 2014–2016
Supervised methods for generating disambiguating paraphrases reported in honors thesis, and leading to LAW-X paper at ACL 2016; funded by NSF REU Supplement (Summer 2014).

Johnsey Erdmann, Dept. Linguistics, OSU 2015–2016
Supervised TIE-funded work on word-level paraphrase alignment annotation, leading to LREC 2016 paper.

Jonathan Barker, Dept. Linguistics, OSU Summer, 2011
Supervised genitive paraphrase generation and analysis; funded by NSF REU Supplement.

Shoshana Berleant, Dept. Linguistics, OSU Summer, 2009
Supervised data acquisition and analysis; funded by NSF REU Supplement.

◇ **Mentoring**

Jordan Needle, Ph.D. Student, Dept. Linguistics, OSU 2017–2018
Collaborated on implementing dynamic continuized combinatory categorial grammar and investigating its connections with dynamic semantics in linear categorial grammar.

Lifeng Jin, Ph.D. Student, Dept. Linguistics, OSU 2016–2019
Provided guidance on question matching for virtual patient dialogue system.

David Howcroft, Dept. Comp. Ling. & Phon., Univ. Saarland 2014–2016
Provided guidance on inducing rules for sentence planning in generation.

Manjuan Duan, Ph.D. Student, Dept. Linguistics, OSU 2013–2017
Provided guidance on methods for avoiding ambiguity in generation and generating disambiguating paraphrases.

Evan Jaffe, Ph.D. Student, Dept. Linguistics, OSU 2013–2018
Provided guidance on question matching for virtual patient dialogue system.

Mary Ellen Foster, Ph.D. Student, Informatics, Edinburgh 2002–2005
Provided guidance on development of COMIC multi-modal generator. Became a postdoctoral researcher at Heriot-Watt University, currently junior faculty at University of Glasgow.

Carsten Brockmann, Ph.D. Student, Informatics, University of Edinburgh 2003–2005
Provided guidance on CrAg project.

Ted Caldwell, CoGenTex, Inc. 1995–2002
Provided guidance on SoftDoc and Definition Builder projects. Became CoGenTex's principal application developer and a PI on an NSF Phase I SBIR.

Benoit Lavoie, CoGenTex, Inc. 2000-2002
Provided guidance on RIPTIDES project.

University Service

◇ **University Committees**

Faculty Advisory Council 2016–2018

◇ **Departmental Committees**

Graduate Studies Committee (Chair) 2018–present
Laboratory and Computing 2019–present
Web Committee (Chair) 2015–2018
Peer Review of Teaching (Chair) 2014–2018

Laboratory and Computing	2015–2018
Targeted Investment in Excellence	2014–2016
Laboratory and Computing (Chair)	2013–2015
Ling 3802 Resource Person	2013–2015
Comp Ling Search (Chair)	2011–2012
Ling 384 Resource Person	2009–2012
Speakers (Chair)	2009–2011
Laboratory and Computing (Chair)	2006–2009
Ling 384 Review (Chair)	2008–2009
Comp Ling Search	2008–2009
Awards	2006–2008
Semantics Search	2005–2006
Chair Search	2005–2006
Laboratory and Computing	2005–2006

◇ **Dissertation Committees**

Lifeng Jin	2019–present
Denis Newman-Griffis	2019–2020
Adam Stiff	2019–2020
Joo-Kyung Kim	2017
Dominic Espinosa	2011–2014
Scott Martin	2011–2013
Vedrana Mihaliceck	2011–2012
Stephen Boxwell	2011
DJ Hovermale	2011
Rajakrishnan Rajkumar	2010–2012
Dennis Mehay	2010–2012
Crystal Nakatsu	2009–present
Tim Weale	2009–2010
Adriane Boyd	2007–2012
Ilana Heintz	2007–2010
Jianguo Li	2007–2008
Kirk Baker	2006–2008
Jirka Hana	2006–2007
Laura Stoia	2006–2007

◇ **Candidacy Exams**

Prashant Serai	2020
Evan Jaffe	2020
Nathan Rasmussen	2020
Adam Stiff	2019
Lifeng Jin	2019
Denis Newman-Griffis	2017
Jonathan Dehdari	2012
Stephen Boxwell	2011
Dominic Espinosa	2011
DJ Hovermale	2011
Scott Martin	2011
Rajakrishnan Rajkumar	2010
Dennis Mehay	2010
Crystal Nakatsu	2009
Tim Weale	2009
Adriane Boyd	2007
Ilana Heintz	2007
Jianguo Li	2007

Laura Stoia	2006
Kirk Baker	2006

◇ **Graduate Faculty Representative**

William Balla-Johnson (Dissertation Exam), Spanish & Portuguese	2020
Siyuan Ma (Dissertation Exam), Computer Science & Engineering	2019
Naser Sedaghati (Dissertation Exam), Computer Science & Engineering	2015
Stephen Luft (Dissertation Exam), East Asian	2013
Takeki Sunakawa (Dissertation Exam), Economics	2012
Laurie Urraro (Dissertation Exam), Spanish & Portuguese	2011
Sitaram Asur (Dissertation Exam), Computer Science & Engineering	2008
Unislawa Wszolek (Dissertation Exam), Political Science	2007

◇ **Graduate Examination Committees**

Nanjiang Jiang (1^{st} qualifying paper)	2019–present
William Thomas (1^{st} qualifying paper)	2019
Lifeng Jin (2^{nd} qualifying paper)	2017–2018
David King (2^{nd} qualifying paper)	2017–2018
Nathan Rasmussen (2^{nd} qualifying paper)	2017–2018
David King (1^{st} qualifying paper)	2016–2017
Manjuan Duan (2^{nd} qualifying paper)	2015–2016
Evan Jaffe (2^{nd} qualifying paper)	2015–2016
Nathan Rasmussen (1^{st} qualifying paper)	2014–2015
David Howcroft (1^{st} qualifying paper)	2012–2013
Michelle Dionisio (1^{st} qualifying paper)	2010–2011
Jon Dehdari (2^{nd} qualifying paper)	2010–2011
Rajakrishnan Rajkumar (2^{nd} qualifying paper)	2008–2010
Stephen Boxwell (2^{nd} qualifying paper)	2009–2010
Dominic Espinosa (2^{nd} qualifying paper)	2009–2010
Scott Martin (2^{nd} qualifying paper)	2009–2010
Jon Dehdari (1^{st} qualifying paper)	2009–2010
Dennis Mehay (3^{rd} year paper)	2007–2008
Stephen Boxwell (2^{nd} year paper)	2007–2008
Dominic Espinosa (2^{nd} year paper)	2007–2008
Scott Martin (2^{nd} year paper)	2007–2008
Adriane Boyd (3^{rd} year paper)	2006–2007
Rajakrishnan Rajkumar (2^{nd} year paper)	2006–2007
Dennis Mehay (2^{nd} year paper)	2006–2007
Jianguo Li (3^{rd} year paper)	2005–2006
Crystal Nakatsu (3^{rd} year paper)	2005–2006

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