Emma Manning

Curriculum Vitae

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EmmaSManning

Education

2015–2021 **PhD, Linguistics**, *Georgetown University*, Washington, DC, *GPA: 3.96*.
Concentration: Computational Linguistics
Dissertation (in progress): *Referenceless Evaluation of Natural Language Generation from Meaning Representations*

2011–2015 **BA, Linguistics and Cognitive Science**, *Scripps College*, Claremont, CA, *GPA: 3.85, magna cum laude*.
Minor: Mathematics
Thesis: *I Accidentally This Thesis Because East: The Influence of the Internet on Spoken Language in Eastspeak*

Publications

[1] Emma Manning, Nathan Schneider, and Amir Zeldes. A balanced and broadly targeted computational linguistics curriculum. In *Fifth Workshop on Teaching NLP*, Online, June 2021. Association for Computational Linguistics.

[2] Emma Manning, Shira Wein, and Nathan Schneider. A Human Evaluation of AMR-to-English Generation Systems. In *Proceedings of the 28th International Conference on Computational Linguistics*, pages 4773–4786, Barcelona, Spain (Online), December 2020. International Committee on Computational Linguistics.

[3] Michael Kranzlein, Emma Manning, Siyao Peng, Shira Wein, Aryaman Arora, and Nathan Schneider. PASTRIE: A Corpus of Prepositions Annotated with Supersense Tags in Reddit International English. In *Proceedings of the 14th Linguistic Annotation Workshop*, pages 105–116, Barcelona, Spain, December 2020. Association for Computational Linguistics.

[4] Emma Manning. A Partially Rule-Based Approach to AMR Generation. In *Proceedings of the 2019 Conference of the North American Chapter of the Association for Computational Linguistics: Student Research Workshop*, pages 61–70, Minneapolis, Minnesota, June 2019. Association for Computational Linguistics.

[5] Frank Feder, Maxim Kupreyev, Emma Manning, Caroline T. Schroeder, and Amir Zeldes. A Linked Coptic Dictionary Online. In *Proceedings of the Second Joint SIGHUM Workshop on Computational Linguistics for Cultural Heritage, Social Sciences, Humanities and Literature*, pages 12–21, Santa Fe, New Mexico, 2018. Association for Computational Linguistics.

Experience

Teaching

Fall 2020 **Linguistics Instructor**, *Independent*, Online.

Course: Introduction to Linguistics
Description:
- Designed, advertised, and taught online course for 17 students in grades 8-12
- Created asynchronous materials including short pre-recorded video lectures, quizzes, and assignments
- Planned and led weekly synchronous class activities over Zoom

Spring 2020 **Teaching Associate**, *Georgetown University*, Washington, DC.

Course: Language and Computers
Description:
- Developed syllabus and other course materials
- Planned and conducted course including lecturing and grading
- Adjusted format mid-semester from in-person to asynchronous online format due to COVID-19 pandemic

2016–2019 **Teaching Assistant**, *Georgetown University*, Washington, DC.

General:
- Resolved student questions in class, during office hours, and by e-mail

Computational Corpus Linguistics (Fall 2016, Fall 2018):
- Corrected and graded students' linguistic annotations and written assignments
- Led occasional class sessions (lecture and workshops)
- Implemented programs to validate annotations across a multilayer corpus and to assist in grading of annotation assignments

Introduction to Natural Language Processing (Fall 2017, Fall 2019):
- Graded students' programming assignments
- Collaborated with professor and co-TA to ensure fair grading and helpful feedback and to address student concerns

2018–2019 **Instructor**, *Johns Hopkins Center for Talented Youth*, Lancaster & Carlisle, PA.

Intensive, 3-week summer courses for 12-16-year-old students
Courses:
- Linguistics (2018, 2019)
- Fundamentals of Computer Science (2019)

Description:
- Developed syllabus and other course materials
- Planned and conducted course including lecturing, leading activities, and providing regular feedback on student work
- Crafted narrative evaluations for all students
- Supervised teaching assistant

2013–2018 **Teaching Assistant**, *Johns Hopkins Center for Talented Youth*, Various Locations.

Intensive, 3-week summer courses for 9-16-year-old students

Courses:

- Linguistics (2017)
- Fundamentals of Computer Science (2017, 2018)
- Inductive and Deductive Reasoning (2013, 2015)

Description:

- Designed and ran some lessons and class activities
- Provided feedback on student work
- Worked with students one-on-one and in small groups to develop problem-solving skills and understanding of course material
- Ensured smooth functioning of class and site by assisting with supervision and other tasks as needed

2013–2015 **Peer Math Tutor**, *Scripps College*, Claremont, CA.

Worked with students one-on-one and during drop-in tutoring hours to develop understanding of mathematical concepts and problem-solving skills.

Research

2019–2020 **Project Coordinator, Semantic Annotation**, *Georgetown University*, Washington, DC.

- Annotated preposition supersenses and multiword expressions in L2 English data from Reddit, and in *The Little Prince*
- Prepared and distributed data to annotators
- Led and contributed to adjudication sessions

2015–2019 **Research Assistant**, *Georgetown University*, Washington, DC.

Worked with Paul Portner (Fall 2015), Amir Zeldes (Spring 2016, Spring 2017), and Nathan Schneider (Spring 2018, Spring 2019)

- Created and enhanced various natural language processing systems
- Analyzed data in detail to improve accuracy of corpus annotations
- Contributed to research team meetings

Summer 2017 **GitDox Developer**, *Georgetown University*, Washington, DC.

- Developed validation control for GitDox annotation interface

Summer 2016 **Coptic Online Lexicon Developer**, *Georgetown University*, Washington, DC.

- Converted XML Coptic lexicon files to SQL database
- Designed and developed web interface for searching and viewing online Coptic dictionary

Summer 2014 **Intern**, *Language Acquisition Research Center, Hunter College*, New York, NY.

- Assisted with research projects in computational linguistics, natural language processing, and psycholinguistics
- Transcribed and coded data from psycholinguistics experiments
- Annotated and analyzed corpus data, manually and with Python scripts
- Contributed to weekly lab meetings and seminars

Miscellaneous

2014–2015 **IT Dorm Consultant**, *Scripps College*, Claremont, CA.

- Maintained printer and computers in residence hall computer lab

Natural Languages

Native	English
Intermediate	Latin, Ancient Greek
Beginner	German, Spanish, Swahili

Programming Languages

Native	Python
Intermediate	Java, R
Beginner	HTML/CSS, SQL, Racket, Prolog, Scala, Javascript

Honors and Awards

2021	Outstanding Reviewer	*EACL Conference*
2019	Outstanding Instructor Award	*CTY Carlisle*
2015	Phi Beta Kappa	
2011–2014	Dean's List (7 semesters)	*Scripps College*
2012	Robert B. Palmer Classics Award	*Scripps College*
2011	National Merit Scholarship	

Leadership

2019–	Social Media Chair	*Georgetown University Computational Linguistics*
2017–	Site Coordinator	*North American Computational Linguistics Olympiad*
2017–2018	Treasurer	*Georgetown University GradPride*
2013–2015	Co-Captain	*Claremont Colleges Quidditch*

Reviewing

2020, 2021	Association for Computational Linguistics (ACL)
2020, 2021	ACL: Student Research Workshop (SRW)
2021	North American Chapter of the Assoc. for Computational Linguistics (NAACL)
2021	NAACL: SRW
2021	Conference on Lexical and Computational Semantics (*SEM)
2021	European Chapter of the Association for Computational Linguistics (EACL)
2020	Asia-Pacific Chapter of the Assoc. for Computational Linguistics: SRW
2018	Mid-Atlantic Student Colloquium on Speech, Language, and Learning

Graduate Coursework

Computational Linguistics & Natural Language Processing

- Computational Corpus Linguistics
- Empirical Methods in NLP
- Statistical Machine Translation
- Intro to Natural Language Processing
- Computational Discourse Modeling
- Comp. Semantics & Info Extraction

- Analyzing Language Data with R
- Signal Processing
- Doctoral Seminar in NLP *audited*
- Advanced Semantic Representations
- Dialogue Systems *audited*

Linguistics

- Generative Syntax I
- Sociolinguistic Variation
- Experimental Research in Semantics & Pragmatics
- Linguistics Teaching Practicum
- Phonology I
- Cognitive Grammar
- Second Language Acquisition & Bilingualism

Computer Science

- Automated Reasoning
- Web Search and Sense-Making

Non-Archival Presentations

Workshop on Evaluating NLG Evaluation.

- 2020: Evaluating AMR-to-English NLG Evaluation

Mid-Atlantic Student Colloquium on Speech, Language, and Learning.

- 2017: Verbal Antecedents for 'This' and 'That'
- 2018: A Rule-Based and Statistical Approach to AMR Generation
- 2020: Referenceless Evaluation of Natural Language Generation from Meaning Representations