

Luke Gessler

Ph.D. Student, Georgetown University
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Contact

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Education

2018 –	Georgetown University – Washington, DC Ph.D. student in Computational Linguistics Advisor: Amir Zeldes GPA: 3.97/4.00
2018 – 2021	Georgetown University – Washington, DC M.S. in Computational Linguistics
2012 – 2016	University of Virginia – Charlottesville, VA B.A. Computer Science, B.A. Linguistics, with distinction GPA: 3.83/4.00
2008 – 2012	Thomas Jefferson High School for Science and Technology – Alexandria, VA Advanced Studies Diploma

Conference and Workshop Publications

2021	Luke Gessler , Nathan Schneider. 2021. BERT has uncommon sense: similarity ranking for word sense BERTology. In <i>Proc. of BlackboxNLP</i> at EMNLP, Punta Cana, Dominican Republic. Association for Computational Linguistics.
2021	Luke Gessler , Shabnam Behzad, Yang Janet Liu, Siyao Peng, Yilun Zhu, Amir Zeldes. 2021. DisCoDisCo at the DISRPT2021 shared task: a system for discourse segmentation, classification, and connective detection. In <i>Proc. of CODI-DISRPT</i> at EMNLP, Punta Cana, Dominican Republic. Association for Computational Linguistics.
2020	Luke Gessler , Siyao Peng, Yang Janet Liu, Yilun Zhu, Shabnam Behzad, and Amir Zeldes. 2020. AMALGUM – a free, balanced, multilayer English web corpus. In <i>Proc. of LREC</i> , pages 5267-5275, online. European Language Resources Association.
2020	Graham Neubig, Shruti Rijhwani, Alexi Palmers, Jordan MacKenzie, Hilaria Cruz, Xinjian Li, Matthew Lee, Aditi Chaudhary, Luke Gessler , Steven Abney, Shirley Anugrah Hayati, Anastasopoulos, Antonios, Olga Zamaraeva, Emily Prud'hommeaux, Jennette Child, Sara Child, Knowles, Rebecca, Sarah Moeller, Jeffrey Micher, Yiyuan Li, Sydney Zink, Mengzhou Xia, Roshan S. Sharma, and Patrick Littell. 2020. A summary of the first workshop on language technology for language documentation and revitalization. In <i>Proc. of the 1st Joint Workshop on Spoken Language Technologies for Under-resourced languages (SLTU) and Collaboration and Computing for Under-Resourced Languages (CCURL)</i> at LREC, pages 342-351, online. European Language Resources Association.

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| 2020 | Aryaman Arora, Luke Gessler , and Nathan Schneider. 2020. Supervised grapheme-to-phoneme conversion of orthographic schwas in Hindi and Punjabi. In <i>Proc. of ACL</i> , pages 7791-7795, online. Association for Computational Linguistics. |
| 2019 | Luke Gessler . 2019. Developing without developers: choosing labor-saving tools for language documentation apps. In <i>Proc. of ComputEL-3</i> at ICLDC, pages 6-13, Honolulu, Hawaii, United States. Association for Computational Linguistics. |
| 2019 | Luke Gessler , Yang Janet Liu, and Amir Zeldes. 2019. A discourse signal annotation system for RST trees. In <i>Proc. of the Workshop on Discourse Relation Parsing and Treebanking</i> at NAACL-HLT, pages 56-61, Minneapolis, Minnesota, United States. Association for Computational Linguistics.. |
| 2019 | Mitchell Abrams, Luke Gessler , and Matthew Marge. 2019. B. Rex: a dialogue agent for book recommendations. In <i>Proc. of SIGDIAL</i> , pages 418-421, Stockholm, Sweden. Association for Computational Linguistics. |

Presentations

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| 2019 | Luke Gessler , <i>Optimizing Developer Productivity in Endangered Language Documentation Apps</i> . Talk given at deRSE19. |
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Awards and Honors

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| 2016 | Phi Beta Kappa |
| 2013, 2014 | Critical Language Scholarship
Full funding to spend a summer in India studying Hindi. |
| 2012 | Maureen O'Donnell Oxford Classical Dictionary Award
Awarded for winning five gold medals in the National Latin Exam. |

Teaching: Courses

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| Fall 2020 | TA, Computational Corpus Linguistics (LING 372) – Georgetown University
Graded and corrected student assignments for an intensive semester-long course where students annotate documents with a variety of different linguistic annotations including part of speech tags, Universal Dependencies syntactic parses, named and non-named entities, and more. Also provided advice and feedback for students' final projects. |
| Fall 2019 | TA, Computational Corpus Linguistics (LING 372) – Georgetown University
<i>See above.</i> |

Teaching: Workshops

Nov. 2019	Instructor, Academic CV Latex Workshop Designed and ran a day-long workshop where attendees learned the basics of LaTeX and created their own CVs.
Nov. 2018	Instructor, Python for Linguists Taught a day-long course with original materials (github.com/lgessler/python-for-linguists) introduction Python for linguistics graduate students, with no programming experience assumed.

Department Service

2021 –	Social Media Chair, Georgetown University Computational Linguistics Manage Twitter and other accounts for the GUCL community, promoting papers published by members and engaging with the computational linguistics and natural language processing community on Twitter.
2020	Social Chair, Georgetown University Computational Linguistics Organized activities such as movie nights and game nights to build community in the Georgetown computational linguistics community.
2020	Organizer, History of Linguistics Reading Group Organized and hosted a 3-month weekly reading group covering select primary literature in linguistics' historical development from Panini to American Structuralism. Syllabus: https://docs.google.com/document/d/10Rjm0TCNwsBP8ErLqgasptp0fCFN8Won5hle6FMlJpA/edit?usp=sharing
2018 – 2019	Founder and Organizer, Georgetown University Fieldwork Forum Created a working/reading group for students and faculty who do linguistic fieldwork.
2014 – 2016	Founder, Virginia Linguistic Club Founded and ran the University of Virginia's first linguistics club, organizing social events like screenings of linguistics-related documentaries and hosting guest speakers.

Academic Service

2019	Co-publicity chair, Linguistic Annotation Workshop XIV 2020 Managing LAW 2020's website and social media presence.
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Reviewer Service

2020	Linguistic Annotation Workshop (LAW), International Conference on Language Resources and Evaluation (LREC)
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Other Service

2018 –	Webmaster, Veg Society of DC Manage a small 501(c)(3) nonprofit's web operations (G Suite, DNS, etc.).
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Professional Experience

2016 – 2018	Software Developer, Epic Systems Corporation – Madison, WI <ul style="list-style-type: none">– Made software for the United States' most widely-used electronic medical record software, including a headlining feature for the 2018 update.
2015	Software Development Intern, Epic Systems Corporation – Madison, WI <ul style="list-style-type: none">– Developed an IVR system integrated into Epic's software.

Programming Languages

Proficient	Clojure, Python, JavaScript, Java, C#, MUMPS
Familiar	Scheme, Common Lisp, OCaml, C, Go, bash

Languages

Native	English
Proficient	Hindi
Reading	Latin, Sahidic Coptic