Luke Gessler

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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 *Proc. of BlackboxNLP* 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 *Proc. of CODI-DISRPT* 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 Proc. of LREC, 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 *Proc. of the 1st Joint Workshop on Spoken Language Technologies for Under-resourced languages (SLTU) and Collaboration and Computing for Under-Resourced Languages (CCURL)* at LREC, pages 342-351, online. European Language Resources Association.

2020	Aryaman Arora, **Luke Gessler**, and Nathan Schneider. 2020. Supervised grapheme-to-phoneme conversion of orthographic schwas in Hindi and Punjabi. In *Proc. of ACL*, pages 7791-7795, online. Association for Computational Linguistics.
2019	**Luke Gessler**. 2019. Developing without developers: choosing labor-saving tools for language documentation apps. In *Proc. of ComputEL-3* at ICLDC, pages 6-13, Honolulu, Hawaii, United States. Association for Computational Linguistics.
2019	**Luke Gessler**, Yang Janet Liu, and Amir Zeldes. 2019. A siscourse signal annotation system for RST trees. In *Proc. of the Workshop on Discourse Relation Parsing and Treebanking*, 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 Proc. of SIGDIAL, pages 418-421, Stockholm, Sweden. Association for Computational Linguistics.

Presentations

2019	**Luke Gessler**, *Optimizing Developer Productivity in Endangered Language Documentation Apps*. Talk given at deRSE19.

Awards and Honors

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

Fall 2020	TA, Computational Corpus Linguistics (LING 372) – Georgetown University
Fall 2019	TA, Computational Corpus Linguistics (LING 372) – Georgetown University

Department Service

2018 –	**Founder and Organizer, Georgetown University Fieldwork Forum** Created a working/reading group for students and faculty who do linguistic fieldwork.
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.
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.

Other Service

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

Professional Experience

2016 – 2018	**Software Developer, Epic Systems Corporation** – Madison, WI – 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 – 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