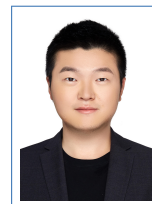


Siyao (Logan) Peng

Ph.D. candidate in Computational Linguistics
at Georgetown University

Washington, D.C., USA
+1-571-519-9051
✉ sp1184@georgetown.edu
 [logan-siyao-peng](https://www.linkedin.com/in/logan-siyao-peng)
 [logan-siyao-peng](https://github.com/logan-siyao-peng)
 Siyao Peng
 [logan-siyao-peng.github.io](https://github.com/logan-siyao-peng)



Education

- Fall 2017 – **Ph.D. candidate in Linguistics**, Georgetown University, Washington, DC, USA.
present - Concentration: Computational Linguistics | MS conferred in May 2020
- Dissertation: Macro-Structural Constraints in RST Dependency Parsing for English and Chinese
- Advisors: Prof. Amir Zeldes & Prof. Nathan Schneider | Committee member: Prof. Nianwen Xue
- Fall 2016 – **Ph.D. student in Linguistics**, SUNY - Stony Brook University, Stony Brook, NY, USA.
Spring 2017 - Advisor: Prof. Thomas Graf
- Fall 2015 – **MA in Linguistics**, Leiden University (Universiteit Leiden), Leiden, the Netherlands.
Spring 2016 - Concentration: Language Diversity of Africa, Asia and Native America
- Thesis: Property Concept Words in Six Amazonian Languages | Advisor: Dr. Mily Crevels
- Fall 2011 – **Bachelor of Arts in Linguistics, Applied Mathematics, and French**, University of
Spring 2015 California - Berkeley, Berkeley, CA, USA.

Papers & Presentations

- Discourse
Segmentation
& Relation
Classification Luke Gessler, Shabnam Behzad, Yang Janet Liu, **Siyao Peng**, Yilun Zhu, and Amir Zeldes. DisCoDisCo at the DISRPT2021 Shared Task: A System for Discourse Segmentation, Classification, and Connective Detection. In *Proceedings of the 2nd Shared Task on Discourse Relation Parsing and Treebanking (DISRPT 2021)*, pages 51–62, Punta Cana, Dominican Republic, November 2021. Association for Computational Linguistics [[paper](#) | [code](#)]
- Silver Data
Augmenta-
tion Luke Gessler, **Siyao Peng**, Yang Liu, Yilun Zhu, Shabnam Behzad, and Amir Zeldes. Overview of AMALGUM – Large Silver Quality Annotations across English Genres. *Proceedings of the Society for Computation in Linguistics*, 4(1):434–437, January 2021 [[abstract](#) | [code](#)]
- Preposition
Semantics for
L2 Speakers 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 [[paper](#) | [data](#) & [code](#)]
- Machine
Translation
Quality
Estimation Haijiang Wu, Zixuan Wang, Qingsong Ma, Xinjie Wen, Ruichen Wang, Xiaoli Wang, Yulin Zhang, Zhipeng Yao, and **Siyao Peng**. Tencent submission for WMT20 quality estimation shared task. In *Proceedings of the Fifth Conference on Machine Translation*, pages 1062–1067, Online, November 2020. Association for Computational Linguistics [[paper](#) | [slides](#) | [poster](#)]

Preposition Semantics in Chinese	Siyao Peng , Yang Liu, Yilun Zhu, Austin Blodgett, Yushi Zhao, and Nathan Schneider. A Corpus of Adpositional Supersenses for Mandarin Chinese. In <i>Proceedings of the 12th Language Resources and Evaluation Conference</i> , pages 5986–5994, Marseille, France, May 2020. European Language Resources Association [paper data]
Silver Data Augmentation	Luke Gessler, Siyao Peng , Yang Liu, Yilun Zhu, Shabnam Behzad, and Amir Zeldes. AMALGUM – A Free, Balanced, Multilayer English Web Corpus. In <i>Proceedings of the 12th Language Resources and Evaluation Conference</i> , pages 5267–5275, Marseille, France, May 2020. European Language Resources Association [paper code]
Dialogue Act Classification	Yue Yu, Siyao Peng , and Grace Hui Yang. Modeling Long-Range Context for Concurrent Dialogue Acts Recognition. <i>Proceedings of the 28th ACM International Conference on Information and Knowledge Management - CIKM '19</i> , pages 2277–2280, 2019. arXiv: 1909.00521 [paper poster slides code]
Discourse Segmentation	Yue Yu, Yilun Zhu, Yang Liu, Yan Liu, Siyao Peng , Mackenzie Gong, and Amir Zeldes. GumDrop at the DISRPT2019 Shared Task: A Model Stacking Approach to Discourse Unit Segmentation and Connective Detection. In <i>Proceedings of the Workshop on Discourse Relation Parsing and Treebanking 2019</i> , pages 133–143, Minneapolis, MN, June 2019. Association for Computational Linguistics [paper poster code]
Preposition Semantics in Chinese	Yilun Zhu, Yang Liu, Siyao Peng , Austin Blodgett, Yushi Zhao, and Nathan Schneider. Adpositional Supersenses for Mandarin Chinese. In <i>Proceedings of the Society for Computation in Linguistics (SCiL 2019)</i> , volume 2, pages 334–337, New York, NY, 2019 [extended abstract poster]
Dependency Conversion	Siyao Peng and Amir Zeldes. All roads lead to UD: Converting Stanford and Penn parses to English Universal Dependencies with multilayer annotations. In <i>Proceedings of the Joint Workshop on Linguistic Annotation, Multiword Expressions and Constructions (LAW-MWE-CxG-2018)</i> , pages 167–177, Santa Fe, NM, 2018 [paper poster]
Dependency Conversion	Siyao Peng and Amir Zeldes. All roads lead to UD: Converting Stanford and Penn parses to English Universal Dependencies with multilayer annotations. Cross-submitted talk at the Universal Dependencies Workshop 2018 (UDW 2018), Brussels, Belgium, 2018 [paper poster]
Multilayer Corpus	Siyao Peng and Amir Zeldes. Validating and Merging a Growing Multilayer Corpus: the Case of GUM. Talk at the 14th American Association for Corpus Linguistics (AACL) Conference, Atlanta, GA, 2018 [slides]
Dependency Conversion	Siyao Peng . Should nn be flat or compound: dependency conversion using entity information. Talk at the 2018 Mid-Atlantic Student Colloquium on Speech, Language and Learning (MASC-SLL 2018), Baltimore, MD, 2018
Typology of Low Resource Languages	Siyao Peng . Property Concept Words in Six Amazonian Languages. Master’s thesis, Leiden University, Leiden, the Netherlands, 2016 [MA thesis]

Teaching

- Fall 2021 **LING-367: Computational Corpus Linguistics**, *Georgetown University*, Teaching Assistant for Prof. Amir Zeldes.
- Fall 2020 **LING-001: Introduction to Language**, *Georgetown University*, Teaching Assistant for Prof. Paul Portner.
- Spring 2020 **LING-469: Analyzing Language Data with R**, *Georgetown University*, Teaching Assistant for Prof. Amir Zeldes.
- Spring 2019 **LING-462/COSC-482: Statistical Machine Translation**, *Georgetown University*, Teaching Assistant for Dr. Achim Ruopp.
- Fall 2018 **LING-362: Intro: Natural Lang Processing**, *Georgetown University*, Teaching Assistant for Prof. Amir Zeldes.
- Spring 2017 **LIN-230: Languages of the World**, TA, SBU, Teaching Assistant for Prof. Robert Hoberman.
- Fall 2016 **LIN-200: Language in the U.S.**, *Stony Brook University*, Teaching Assistant for Dr. Andrei Antonenko.
- Summer 2013 **MATH-32: Pre-Calculus**, *University of California – Berkeley*, Teaching Assistant for Prof. Richard Gibson.

Reviewing

- Aug 2022 **The 2022 Conference on Empirical Methods in Natural Language Processing (EMNLP 2022)**, 5 papers reviewed.
- July 2021 **Widening Natural Language Processing (WiNLP 2022)**, 1 paper reviewed.
- Jan 2022 **ACL Rolling Review**, 4 papers reviewed.
- Oct 2021 **Transactions of the Association for Computational Linguistics**, 1 paper co-reviewed with Dr. Nathan Schneider.
- Sept 2021 **Widening Natural Language Processing (WiNLP 2021)**, 3 papers reviewed.
- July 2021 **The 2021 Conference on Empirical Methods in Natural Language Processing (EMNLP 2021)**, 4 papers reviewed.
- May 2021 **The ACL-IJCNLP 2021 Student Research Workshop (ACL-IJCNLP SRW 2021)**, 2 papers reviewed.
- Mar 2021 **The Joint Conference of the 59th Annual Meeting of the Association for Computational Linguistics and the 11th International Joint Conference on Natural Language Processing (ACL-IJCNLP 2021)**, 1 paper reviewed.
- Mar 2021 **The NAACL Student Research Workshop (SRW) 2021**, 1 paper reviewed.
- Jan 2021 **2021 Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL-HLT 2021)**, 2 papers reviewed.
- Nov 2020 **The 16th Conference of the European Chapter of the Association for Computational Linguistics (EACL 2021)**, 2 papers reviewed.
- May 2020 **Widening Natural Language Processing (WiNLP 2020)**, 3 papers reviewed.
- Jan 2020 **The 58th Annual Meeting of the Association for Computational Linguistics (ACL 2020)**, 1 paper reviewed.
- May 2019 **Widening Natural Language Processing (WiNLP 2019)**, 2 papers reviewed.

Professional Experience

- Jan 2021 – **NLP Intern**, *PaddlePaddle – Deep Learning Group, Baidu*, Beijing, China.
June 2021
- May 2020 – **Applied Intern**, *PCG Group – AI Data Center, Tencent*, Beijing, China.
Sept 2020
- June 2019 – **Educational NLP Intern**, *Educational Applications Group, Pearson*, Boulder, CO, USA.
Aug 2019

Fellowships and Awards

- Fall 2022 **Linguistics Graduate Student Dissertation Scholarship**, Georgetown University.
- Fall 2017 – **Graduate School Ph.D. Assistantship Stipend**, Georgetown University.
Spring 2022
- Fall 2017 – **Graduate School Ph.D. Assistantship Stipend**, Georgetown University.
Spring 2022
- Fall 2019 **Graduate School Student Travel Grants**, Georgetown University.
Spring 2019
- Fall 2018 **Linguistics Student Travel Grants**, Georgetown University.
Spring 2019
Fall 2019
Fall 2021
- Fall 2016 – **Graduate School Ph.D. Assistantship Stipend**, Stony Brook University.
Spring 2017
- Summer 2015 **Undergraduate Research Apprentice Program (URAP) Summer Award**, University of California – Berkeley.

Skills

- Programs** Python, R, MATLAB, SQL
- Tools** Linux, Bash, Google Cloud, AWS, Github, L^AT_EX
- ML** NumPy, pandas, sklearn, SciPy, Pytorch, Keras, PaddlePaddle, Flair, TensorFlow
- NLP** NLTK, StanfordNLP, spaCy, transformers, PaddleNLP
- Languages** Chinese (native), English (professional), French (intermediate), German (beginner)

Extracurricular Experience

- Sept 2018 – **Georgetown University Chinese Students & Scholars Associations (GUCSSA)**,
May 2019 *Secretary*, Georgetown University.
- Aug 2012 – **Student Learning Center**, *Math Study Group Leader*, Student Learning Center at
Dec 2014 University of California – Berkeley.
- Sept 2011 – **Berkeley Chinese Students & Scholars Associations**, *Secretary*, University of California – Berkeley.
Aug 2012