Junghyun Min

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EDUCATION

Georgetown University

Doctor of Philosophy in Linguistics. Computational linguistics concentration. 2024 – Present
Advised by Ethan Wilcox.

Johns Hopkins University

Master of Arts in Cognitive Science. Computational approaches to linguistics focus. 2019 – 2020
Advised by Tal Linzen.

Bachelor of Science in Physics with a second major in Mathematics. 2014 – 2017
Early graduation, General honors.

PAPERS

2025 **Junghyun Min**, Xiulin Yang, and Shira Wein. 2025. When Does Meaning Backfire? Investigating the Role of AMRs in NLI. In *Proceedings of the 14th Joint Conference on Lexical and Computational Semantics (*SEM 2025)*, pages 202–211, Suzhou, China. Association for Computational Linguistics.

Lauren Levine, **Junghyun Min**, and Amir Zeldes. 2025. Building UD Cairo for Old English in the Classroom. In *Proceedings of the Eighth Workshop on Universal Dependencies (UDW, SyntaxFest 2025)*, pages 97–104, Ljubljana, Slovenia. Association for Computational Linguistics.

Junghyun Min, Minho Lee, Woochul Lee, Yeonsoo Lee. 2025. Punctuation Restoration Improves Structure Understanding without Supervision. In *Proceedings of the Tenth Representation Learning for NLP Workshop*. Association for Computational Linguistics.

Abhishek Purushothama, **Junghyun Min**, Brandon Waldon, and Nathan Schneider. 2025. Not ready for the bench: LLM legal interpretation is unstable and uncalibrated to human judgments. ArXiv preprint.

Hannah Liu, **Junghyun Min**, En-Shiun Annie Lee, Ethan Yue Heng Cheung, Shou-Yi Hung, Syed Mekael Wasti, Runtong Liang, ShiYao Qian, Shizhao Zheng, Elsie Chan, Ka Ieng Charlotte Lo, Wing Yu Yip, and Richard Tzong-Han Tsai. SiniticMTError: A Machine Translation Dataset with Error Annotations for Sinitic Languages. ArXiv preprint.

Junghyun Min, York Hay Ng, Sophia Chan, Helena Shunhua Zhao, En-Shiun Annie Lee. 2025. CantoNLU: A benchmark for Cantonese natural language understanding. ArXiv preprint.

2024 Minho Lee, **Junghyun Min**, Woochul Lee, Yeonsoo Lee. 2024. Structured Language Generation Model for Robust Structure Prediction. ArXiv preprint.

2020 **Junghyun Min**, R. Thomas McCoy, Dipanjan Das, Emily Pitler, and Tal Linzen. 2020. Syntactic Data Augmentation Increases Robustness to Inference Heuristics. In *Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics*, pages 2339–2352, Online. Association for Computational Linguistics.

R. Thomas McCoy, **Junghyun Min**, and Tal Linzen. 2020. BERTs of a feather do not generalize together: Large variability in generalization across models with similar test set performance. In *Proceedings of the Third BlackboxNLP Workshop on Analyzing and Interpreting Neural Networks for NLP*, pages 217–227, Online. Association for Computational Linguistics.

PRESENTATIONS & TECHNICAL REPORTS

2025 Abhishek Purushothama, **Junghyun Min**, Brandon Waldon, and Nathan Schneider. 2025. Not ready for the bench: LLM legal interpretation is unstable and uncalibrated to human judgments. In *Proceedings of the Natural Legal Language Processing Workshop 2025*, pages 317–317, Suzhou, China. Association for Computational Linguistics.

Hannah Liu, **Junghyun Min**, En-Shiun Annie Lee, Ethan Yue Heng Cheung, Shou-Yi Hung, Syed Mekael Wasti, Runtong Liang, ShiYao Qian, Shizhao Zheng, Elsie Chan, Ka Ieng Charlotte Lo, Wing Yu Yip, and Richard Tzong-Han Tsai. SiniticMTError: A Machine Translation Dataset with Error Annotations for Sinitic Languages. Workshop on Multilingual Data Quality Signals at COLM 2025.

York Hay Ng, Yihe Li, Shizhao Zheng, **Junghyun Min**, and Eu-Shiun Annie Lee**.** Bridging Worlds with Words: Innovations at the Lee Language Lab. Toronto Machine Learning Summit. 2025.

2024 **Junghyun Min**. Feb 2024. Unsupervised structure understanding improvement via punctuation restoration. In Korean. NC Research Blog entry. NCSOFT Corp.

2023 **Junghyun Min**. Feb 2023. RRR: A Robust Road to Robustness. In Korean. NC Research Blog entry. NCSOFT Corp.

Junghyun Min. Oct 2023. Job talk at Samsung Electronics. Received employment offer.

2022 **Junghyun Min.** Jan 2022. Open information extraction and the granularity problem. Presentation at NC AI & NLP Seminar. NCSOFT Corp.

2021 **Junghyun Min**. Jan 2021. Job talk at NCSOFT. Received employment offer.

Junghyun Min. Jan 2021. Job talk at Kakao Brain.

2020 **Junghyun Min**. Heuristics in language models and syntactic augmentation to mitigate them. Presentation at Department of Cognitive Science Brown Bag Series. Johns Hopkins University.

2019 R. Thomas McCoy, **Junghyun Min**, Tal Linzen. Nov 2019. BERTs of a feather do not generalize together: large variability in generalization across models with similar test set performance. Poster presentation at NLP, Dialogue and Speech Symposium. New York Academy of Science.

2018 **Junghyun Min** and Giorgia Fortuna. May 2018. What on Earth is this map? Finding a map's depicted region and projection. Poster presentation at Day of Undergraduate Research in Engineering, Arts, and Medicine. Johns Hopkins University.

2013 Michał Leś and **Junghyun Min**. Aug 2013. The atmospheric flux of muon. Presentation at International Summer Science Heidelberg. Max-Planck-Institut für Kernphysik.

TEACHING

Georgetown University

Teaching assistant, *Introduction to Language (LING1000), Department of Linguistics.* 2025

Johns Hopkins University

Teaching assistant, *Differential Equations (110.302), Department of Mathematics.* 2017

MENTORING

Georgetown University

Graduate mentor, *Summer research assistantship.* Mentored Elli Ahn.

University of Toronto

Course supervisor, *Computer Science Project (CS494), Department of Computer Science.* 2025

Fields Institute for Research in Mathematical Sciences

Co-supervisor, *Fields Undergraduate Summer Research Program.* Supervised Rex Fang and Michael Zhou. 2025

NCSOFT

Mentor, *Fall Undergraduate Co-op Internship.* Mentored Yerang Kim. 2023
Lead mentor, *Summer Undergraduate Internships.* Mentored Eva Goldie. 2022

PROFESSIONAL & NON-ACADEMIC RESEARCH EXPERIENCE

University of Toronto, Toronto, ON — 2025
Visiting Scholar, Department of Computer Science

NCSOFT, Seongnam, Korea — 2021 – 2024
NLP Engineer, Financial Language Understanding

Harford Community College, Bel Air, MD — 2018 – 2019
Data Analyst, Analytics & Planning

Wolfram Research, Waltham, MA — 2016 – 2017
Student Researcher, Wolfram Summer School

Max-Planck-Institut für Kernphysik, Heidelberg, Germany — 2013
Student Researcher

SCHOLARSHIPS & AWARDS

Dean's Master's Fellowship, Johns Hopkins University — 2019
The John Ernest Fellowship, The John Ernest Foundation — 2013

LANGUAGES

Computer Language: Python, R, Java, C++, Unix shell, SAS, SQL, Wolfram.
Natural Language: Korean (Standard, Busan), English, German, Mandarin Chinese.
Language with Research Experience: Old English, Middle Korean, Cantonese

SELECTED PROJECTS

- Lead engineer for ai.ly, a GPT based, personalized AI lyricist. 50k visits over 3 months of service. Hip-hop sample.
- Technical lead for wecommit's prototype genDOC, an LLM-powered document automation solution for startups.

SERVICE

Assistant Coordinator, Computation and Language at Georgetown University — 2025
Recreation Coordinator, Graduate Linguistics Student Association at Georgetown University — 2025
Reviewer, ACL Rolling Review, Machine Learning Engineering — Since 2021
Captain, Varsity Football at Western Reserve Academy — 2013