Daniel Brubaker
dwb60@georgetown.edu

Education:

2021–2026 B.A. Linguistics/Plan I Honors, B.S. Computer Science
University of Texas at Austin, Austin, TX, USA

2022 SMU-in-Oxford summer study abroad at University College, Oxford, England

Work Experience:

2023–2025 Texas Instruments
Summer Intern

Wrote C library to interface with analog data collection devices. Implemented C program to connect older tools with serial interfaces to modern factory automation control systems over ethernet.
Created user-customizable web interface to store information about factory tools.

Research Experience:

2023–2025 **Daniel Brubaker**, William Sheffield, Junyi Jessy Li, Kanishka Misra. 2025. *WUGNECTIVES: Novel Entity Inferences of Language Models from Discourse Connectives.* Submitted to EACL 2026, preprint available at https://arxiv.org/abs/2510.09556

Investigated if language models (LMs) have access to inferences licensed by discourse connectives in the absence of world knowledge, using a novel dataset, WUGNECTIVES. This dataset contains 8,880 stimuli that entail information about nonce words. We found that all tested models systematically struggle in stimuli with concessive connectives, regardless of scale.

Extracurricular Experience:

2024–2026 Journal Club Manager, UT Austin Undergrad Linguistic Society

Once monthly, found and presented on an academic paper in linguistics, its methodologies and findings, and any necessary background to understand it for an undergraduate audience. After presenting, lead a guided discussion on the paper. The focus of this group is on covering research methodologies, learning about concepts and linguistic subfields not typically covered in core coursework at UT Austin, and engaging critically with cutting edge research in the field. Additionally, planned and helped lead bi-weekly meetings with activities designed to engage undergraduates with linguistics.