Venkata S Govindarajan

HE/HIM
DEPARTMENT OF LINGUISTICS,
THE UNIVERSITY OF TEXAS AT AUSTIN

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EDUCATION

University of Texas at Austin — 2019–2024
PhD Computational Linguistics — GPA:3.9/4

University of Rochester — 2017–2019
MS Computational Linguistics — GPA:3.75/4
Thesis: Decomposing Generalization | Advisor: Prof. Aaron Steven White

Indian Institute of Technology Madras — 2012–2017
Dual Degree(B.Tech & M.Tech) Biological Engineering — GPA:8.68/10
Thesis: Direction Maps in the Whisker Barrel Cortex | Advisor: Prof. Srinivasa Chakravarthy

RESEARCH INTERESTS

Computational Semantics & Pragmatics, Natural Language Processing

WORK EXPERIENCE

Amazon – Alexa Applied Scientist Intern — Summer 2021
Unsupervised Drift detection – NLP, NLU — VIRTUAL
Implemented an unsupervised method for detecting data drift in NLU models, and validated the approach on simulated and real-world drift. Received return internship offer for summer 2022.

PAPERS

Govindarajan, V. S., B. T. Chen, R. Warholic, K. Erk & J. J. Li. 2020a. Help! Need Advice on Identifying Advice. In *Proceedings of The 2020 Conference on Empirical Methods in Natural Language Processing*.

White, A. S., E. Stengel-Eskin, S. Vashishtha, **V. S. Govindarajan**, et al. 2020. The Universal Decompositional Semantics Dataset and Decomp Toolkit. In *Proceedings of The 12th Language Resources and Evaluation Conference*, 5698–5707. Marseille, France: European Language Resources Association.

Govindarajan, V., B. V. Durme & A. S. White. 2019. Decomposing Generalization: Models of Generic , Habitual, and Episodic Statements. *Transactions of the Association for Computational Linguistics* 7. 501–517.

TALKS

Govindarajan, V. S., B. T. Chen, R. Warholic, K. Erk & J. J. Li. 2020b. Help! Need Advice on Identifying Advice. Presented at *The 2020 Conference on Empirical Methods in Natural Language Processing*. Virtual. Nov 16-20 2020.

Govindarajan, V., B. V. Durme & A. S. White. 2020. Decomposing Generalization: Models of Generic , Habitual, and Episodic Statements. Presented at *The 58th Annual Meeting of the Association for Computational Linguistics*. Virtual. July 5-10 2020.

TEACHING

Assistant Instructor

UT Austin

Language and Computers — Summer 2022

Teaching Assistant

UT Austin

Machine Learning Toolbox for Text Analysis — Spring 2021
Analyzing Linguistic Data and Programming for Linguists — Spring 2020
Introduction to Computational Linguistics — Fall 2019

University of Rochester

Introduction to Computational Linguistics — Fall 2018

IIT Madras

Data Structures and Algorithms for Biology — Fall 2016

SKILLS

Programming Languages Python, Swift, Javascript, R, MATLAB, LISP, C, C++
Tools & Frameworks pyTorch, Tensorflow, Keras, Huggingface Transformers, SciPy, Pandas, nltk, Docker, LaTeX, Jupyter, Unix, SwiftUI, CoreML
Languages English(native), Tamil(native), Hindi(intermediate)

APPS

DeTeXt: I built an open source app for iOS, iPadOS and macOS that predicts the best LaTeX commands corresponding to hand-drawn symbols using deep neural networks. Built using SwiftUI, Combine, PencilKit and CoreML, the app has 4000+ installs.

PROFESSIONAL SERVICE

Primary Reviewer at SIGDIAL 2022.
Texas Linguistics Society(TLS) Conference 2022 & 2021 Organizing Committee.

AWARDS

NASSLI Student Grant	Summer 2022
COLA Supplemental Graduate School Fellowship	Spring 2020
Silver medal at International Genetically Engineered Machine (iGEM)	Fall 2016
Indian Biological Engineering Competition (iBEC) grant for INR 1,000,000	Fall 2016
National BIRAC-IdeaThon on Antimicrobial Resistance Finalist	Fall 2016
Second runner up in 3M-CII Young Innovators Challenge	Spring 2015