VENKATA S GOVINDARAJAN

UNIVERSITY OF TEXAS AT AUSTIN | DEPARTMENT OF LINGUISTICS | HE/HIM

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EDUCATION

University of Texas at Austin 2019–
PhD Computational Linguistics
GPA: 3.78/4

University of Rochester 2017–2019
MS Computational Linguistics
GPA: 3.75/4

Indian Institute of Technology Madras 2012–2017
Dual Degree(B.Tech & M.Tech) Biological Engineering
GPA: 8.68/10

RESEARCH INTERESTS

Computational Semantics & Pragmatics, Natural Language Processing, Cognitive Science, Philosophy of Language, Computational Social Science

WORK EXPERIENCE

Amazon Applied Scientist Intern Summer 2021
Unsupervised Drift detection
Implemented an unsupervised method for detecting dataset drift that could lead to performance loss in NLU models. Validated the approach on simulated and real-world drift.

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.

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. To be 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

Teaching Assistant

Machine Learning Toolbox for Text Analysis	Spring 2021
Analyzing Linguistic Data and Programming for Linguists	Spring 2020
Introduction to Computational Linguistics	Fall 2019
Introduction to Computational Linguistics	Fall 2018
Data Structures and Algorithms for Biology	Fall 2016

SKILLS

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

APPS

DeTeXt: An open source app for iPhone, iPad and Mac that predicts the best LaTeX commands corresponding to hand-drawn symbols using deep neural networks. Built using SwiftUI, Combine, PencilKit and CoreML.

PROFESSIONAL SERVICE

Texas Linguistics Society(TLS) 2021 Organizing Committee.

AWARDS

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