

TEJAS SRINIVASAN

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RESEARCH INTERESTS

My research interests lie in **user-centric approaches to building reliable AI systems**. In the past, I have also worked on **multimodal NLP**, **continual learning** and **multimodal speech recognition**.

EDUCATION

Ph.D. in Computer Science, University of Southern California 2021–Curr.

Advisor: Prof. Jesse Thomason

GPA: 4.0/4.0

M.Sc. in Language Technologies, Carnegie Mellon University 2018–2020

Advisors: Prof. Florian Metze, Prof. Louis-Phillippe Morency, Prof. Yonatan Bisk

GPA: 3.87/4.0

B.Tech. Mechanical Engineering, Indian Institute of Technology, Bombay 2014–2018

GPA: 9.15/10.0

AWARDS

Viterbi Undergraduate Research Mentorship Award 2023

INDUSTRY EXPERIENCE

Allen Institute for AI (AI2), Mosaic team, Research Intern Summer 2023

Microsoft Research (MSR), Research Intern Summer 2021

A.I. Foundation, NLP Research Scientist 2020–2021

PUBLICATIONS

- [Selective “Selective Prediction”](#): Reducing Unnecessary Abstention in Vision-Language Reasoning
Tejas Srinivasan, Jack Hessel, Tanmay Gupta, Bill Yuchen Lin, Yejin Choi, Jesse Thomason, Khyathi Raghavi Chandu
ACL Findings 2024
- [WinoViz](#): Probing Visual Properties of Objects Under Different States
Woojeong Jin, **Tejas Srinivasan**, Jesse Thomason, Xiang Ren
arXiv Preprint
- [Exploring Strategies for Modeling Sign Language Phonology](#)
Lee Kezar, Riley Carlin, **Tejas Srinivasan**, Zed Sehyr, Naomi Caselli, Jesse Thomason
European Symposium on Artificial Neural Networks (ESANN) 2023
- [I2I](#): Initializing Adapters with Improvised Knowledge
Tejas Srinivasan, Furong Jia, Mohammad Rostami, Jesse Thomason
Conference on Lifelong Learning Agents (CoLLAs) 2023
- [Multimodal Speech Recognition for Language-Guided Embodied Agents](#)
Allen Chang, Xiaoyuan Zhu, Aarav Monga, Seoho Ahn, **Tejas Srinivasan**, Jesse Thomason
Interspeech 2023

6. Curriculum Learning for Data-Efficient Vision-Language Alignment
Tejas Srinivasan, Xiang Ren, Jesse Thomason
O-DRUM Workshop, CVPR 2023
7. CLiMB: A Continual Learning Benchmark for Vision-and-Language Tasks
Tejas Srinivasan, Ting-Yun Chang, Leticia Pinto Alva, Georgios Chochlakis, Mohammad Rostami, Jesse Thomason
NeurIPS 2022 Datasets and Benchmarks Track
8. Worst of Both Worlds: Biases Compound in Pre-trained Vision-and-Language Models
Tejas Srinivasan, Yonatan Bisk
Workshop on Gender Bias in NLP, NAACL 2022
9. Fine-Grained Grounding for Multimodal Speech Recognition
Tejas Srinivasan, Ramon Sanabria, Florian Metze, Desmond Elliott
EMNLP Findings 2020
10. Multimodal Speech Recognition with Unstructured Audio Masking
Tejas Srinivasan, Ramon Sanabria, Florian Metze, Desmond Elliott
Workshop on NLP Beyond Text, EMNLP 2020
11. Reasoning Over History: Context-Aware Visual Dialog
 Muhammad Shah, Shikib Mehri, **Tejas Srinivasan**
Workshop on NLP Beyond Text, EMNLP 2020
12. Looking Enhances Listening: Recovering Missing Speech Using Images
Tejas Srinivasan, Ramon Sanabria, Florian Metze
ICASSP 2020
13. Multitask Learning For Different Subword Segmentations In Neural Machine Translation
Tejas Srinivasan, Ramon Sanabria, Florian Metze
International Workshop on Spoken Language Translation (IWSLT) 2019
14. Structured Fusion Networks for Dialog
 Shikib Mehri*, **Tejas Srinivasan***, Maxine Eskenazi
SIGDIAL 2019 (Best Paper Award)
15. Analyzing Utility of Visual Context in Multimodal Speech Recognition Under Noisy Conditions
Tejas Srinivasan, Ramon Sanabria, Florian Metze
How2 Challenge Workshop, ICML 2019

PROFESSIONAL SERVICE

Conference Reviewer	ACL Rolling Review, ACL 2020–2024, EMNLP 2020–2023, NeurIPS Datasets and Benchmarks 2022–2023, NAACL 2021 & 2024, EACL 2021
Workshop Reviewer	ACL Student Research Workshop 2020–2022, NLP Beyond Text 2020, ACL Challenge-HML 2020
Research Mentorship	Mentored the following undergraduate students: Furong Jia, Allen Chang, Xi-aoyuan Zhu, Aarav Monga, Miaosen Chai, Emmanuel Ezirim