ARJUN SOMAYAZULU

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EDUCATION

The University of Texas at Austin   **Austin, TX**
Ph.D. in Computer Science   *Aug 2022 – Present*

Johns Hopkins University   **Baltimore, MD**
(Dean's List, Tau Beta Pi)   *Aug 2018 – May 2022*

RESEARCH INTERESTS

Computer vision, Audio-visual learning, Robotics, Multi-modal learning, and Representation learning.

RESEARCH EXPERIENCE

Graduate Research Assistant – Prof. Kristen Grauman   **Austin, TX**
Vision Lab, The University of Texas at Austin (UT Austin)   *Aug 2022 – Present*
Learning room acoustics from visual scenes and embodied exploration.

Research Assistant – Prof. Archana Venkataraman   **Baltimore, MD**
Neural Systems Analysis (NSA) Lab, Johns Hopkins University (JHU)   *May 2020 – May 2022*
Building speech-based emotion recognition models.

Research Intern – Prof. Brett Beaulieu-Jones   **Boston, MA**
Dept. of Biomedical Informatics, Harvard University   *May 2021 – Aug 2021*
Explainable models for predicting sepsis mortality in the ICU.

Research Assistant – Prof. Natalia Trayanova   **Baltimore, MD**
Trayanova Lab, Johns Hopkins University (JHU)   *Oct 2018 – Nov 2019*
Personalized heart models for predicting myocardial infarction risk.

PUBLICATIONS

Self-Supervised Visual Acoustic Matching
Conference on Neural Information Processing Systems (NeurIPS), 2023
Arjun Somayazulu, *Changan Chen, Kristen Grauman*

ArXiV PREPRINTS

Ego-Exo4D: Understanding Skilled Human Activity from First-and Third-Person Perspectives
Under review, arXiv, 2023
Kristen Grauman, Andrew Westbury, Lorenzo Torresani, Kris M. Kitani, Jitendra Malik, … **Arjun Somayazulu,** … Mike Zheng Shou, Michael Wray

A Comparative Study of Data Augmentation Techniques for Deep Learning Based Emotion Recognition
Under review, arXiv, 2022
Ravi Shankar, Abdouh Kenfack, **Arjun Somayazulu,** Archana Venkataraman

TEACHING/SERVICE

Course Assistant – EN.601.475 Machine Learning *Jan 2021 – May 2021*

Course Assistant – EN.601.226 Data Structures *Aug 2021 – Dec 2021*

Reviewer for CVPR 2024

AWARDS

2023 Professional Development Awards (UT Austin) *Oct 2023*