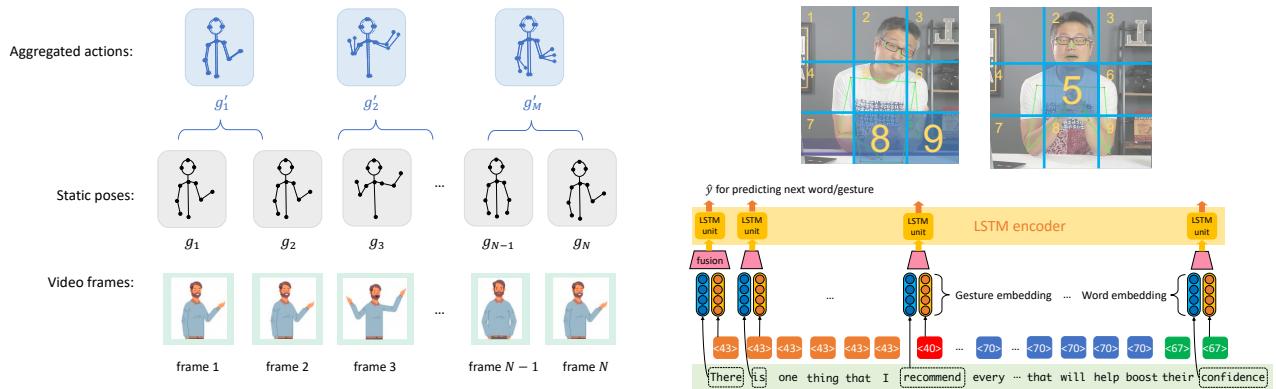


**Open Post-doctoral Position**  
**Dept of Computer Science**  
**San Diego State University**

The Computational Linguistics and Cognitive Sciences Lab ([clcs.sdsu.edu](http://clcs.sdsu.edu)) seeks a post-doctoral scholar with a vision for developing a series of multi-modal machine learning techniques, with the focus on studying the non-verbal communication behavior in natural language. The proposed research activities will be conducted under an NSF-funded project: *Information theoretic methods to model the information in multiple communication modality channels*.

The project aims to develop computational methods for non-verbal channels, which uses computer vision-based techniques and joint representation learning task with natural language to extract the basic meaningful communication units in non-verbal channels. The broader impact includes the development of more sensitive software systems that can provide richer feedback to participants in online communication and task-oriented collaborations.



**Job responsibilities:**

- Develop and manage research programs by conducting research activities: Develop and test neural network models for multi-modal communication; Write and/or edit peer-reviewed publications, project reports.
- Conduct research that supports and expands the impact of projects conducted in the Lab. Participate in grant proposal writing for the next phase of project.
- Advise and mentor graduate/undergraduate students.
- Present research and represent the lab at relevant conferences and participate in relevant programming on campus.

**Required Qualifications:**

- Candidates must have completed a doctoral degree in computer science (or a closely related areas) from an accredited university and must demonstrate expertise in the project area.
- A publishing record in peer-reviewed conferences/journals is required.
- Candidates with a publication record in conferences of machine learning and natural language processing (e.g., ACL/EMNLP/ICML/ICLR/NeurIPS/AAAI) are preferred.
- Candidates experienced with deep learning models/frameworks/pipelines are preferred.

**Faculty Sponsor:** Yang Xu, Ph.D., Assistant Professor of Computer Science

**Department:** Department of Computer Science, San Diego State University

**Location:** San Diego, California, USA

**Appointment Term:** This is a 12-month appointment with possibility of renewal for a second year and offers a competitive salary and benefit package.

**Appointment Start Date:** August, 2022

**Salary:** \$56,000 – 62,500, commensurate with experience

**How to Submit Application Materials:**

Email documents to Yang Xu at [yang.xu@sdsu.edu](mailto:yang.xu@sdsu.edu) as a .pdf file attached. Please note email with "CLCS Postdoc". Accepting applications until position is filled.

**Required Application Materials:**

- Cover letter (1 – 3 pages) addressing the following prompts:
  - Describe your scientific background and research interests, and explain how they relate to the project
  - Describe one or more specific research questions/directions you would be interested to tackle using the dataset(s) available in this project, and explain how you would go about addressing them.
- Curriculum vitae
- Relevant authored publications
- Names and full contact information (email and phone numbers) of three potential references