# Arjun **Chandrasekaran**

 ${\tt Computer \, Vision \, \cdot \, Natural \, Language \, Processing \, \cdot \, Human \, Behavior \, \cdot \, Virtual \, Human \, Avatars}$ 

Max Planck Ring 4, Tübingen 72076, Germany.

🛘 (+49)15251053385 | 🗷 achandrasekaran@tue.mpg.de | 🐔 carjun.github.io | 🖸 carjun | 🗖 carjun | 💆 @\_carjun

Education \_

Georgia Tech Atlanta, GA, USA

PHD IN COMPUTER SCIENCE (ADVISOR: DEVI PARIKH)

Jan. 2017 - Dec. 2019

**Dissertation**: Towards natural Human-Al interactions in Vision and Language

**Virginia Tech (transferred to Georgia Tech)** 

PHD IN COMPUTER ENGINEERING (Advisor: Devi Parikh)

Aug. 2014 - Dec. 2016

• Research on computational models for visual humor and temporal common sense.

**Bangalore Institute of Technology** 

Bangalore, India Sep. 2009 - Mar. 2013

Blacksburg, VA, USA

B. Eng. in Electronics and Communication Engineering

• Design and implementation of a VLSI based video decoder based on the H.264 video encoding standard.

Employment \_\_\_\_\_

## **Max Planck Institute for Intelligent Systems**

Tübingen, Germany.

POSTDOCTORAL RESEARCHER, WITH MICHAEL BLACK

Jan. 2020 - Now

• Modeling the semantics of human movement – human actions, interactions, and emotions.

Robert Bosch (RBEI)

Bangalore, India

ASSOCIATE SOFTWARE ENGINEER, COMPUTER VISION TEAM

Aug. 2013 - July 2014

• Testing driver assistance functions like lane detection, road sign recognition, pedestrian detection, etc. on a camera ECU.

**Visiting Positions** \_

Indiana University

Bloomington, USA

VISITING SCHOLAR, WITH CHEN YU AND DAVID CRANDALL

Summer 2019

• Modeling child learning from parent-child interactions captured via head-mounted cameras and parent speech.

**CurAl** Palo Alto, USA

RESEARCH INTERN, WITH ANITHA KANNAN

Summer 2018

• Question Answering in medical domain and Information Extraction to build a Knowledge Graph.

Facebook AI Research

Menlo Park, USA

RESEARCH INTERN, WITH DEVI PARIKH

Summer 2017

• Modeling aspects of personality from reddit data.

**Toyota Technological Institute** 

Chicago, USA

RESEARCH INTERN, WITH MOHIT BANSAL

Summer 2016

 $\bullet \ \ \text{Modeling "temporal common sense" in every day events, and generating witty image captions.}\\$ 

**Sahyogee Tech Solutions** 

Bangalore, India

Engineering Intern, with Anand Udupa

Summer 2012

Designing and testing analog circuits using the (then) newly developed Verilog AMS (Analog and Mixed Mode).

How Much Coffee Was Consumed During EMNLP 2019? Fermi Problems: A New Reasoning Challenge for AI Compression of Sellenge for	Publications	
Reasoning Challenge for AI COMERSHANCE ON BERMINGLAI, METHODAS IN NATURAL LANGUAGE PROCESSING A. Kaliyan, A. Kumar, A. Chandrasekaran, A. Sabharwal, P. Clark  BABEL: Bodies, Action and Behavior with English Labels IEEE/CVP Commensure on Communs Vision And Partners Recognition A. R. Pounnakolf, A. Chandrasekaran, N. Althorascharan, N. Althorascharan, A. Glark Remirery, M. J. Pilack  Active domain adaptation via clustering uncertainty-weighted embeddings IEEE/CVP Intrustrationals, Commensure, on Communs Vision A. R. Pounnakolf, A. Chandrasekaran, K. Saenko, J. Hoffman  A computational model of early word learning from the infant's point of view Annual, Commensure, Commensure, Society S. Tautsul, A. Chandrasekaran, M. A. Reza, D. Crandall, C. Yu  Do explanation modalities make VQA models more predictable to a human? Commensure on Emmindual Mirrhous in Natural, Language Processing A. Chandrasekaran, V. Probhur, D. Yadaw', P. Chattopadhyay', D. Parikh  Punny Captions: Witty Wordplay in Image Descriptions North American Chumers of the Association is one Communicans. A. Chandrasekaran, D. Parikh, M. Bransil  Evaluating Visual Conversational Agents via Cooperative Human-Al Games Convenience on Human Commensure and Captions into Stories Envaluating Visual Conversational Agents via Cooperative Human-Al Games Convenience on Human Communican and Captions into Stories Envaluating Visual Conversational Agents via Cooperative Human-Al Games Convenience on Marience Language Processing Repaired, Mirmicos in Natural, Language and Captions into Stories Envaluating Visual Conversational Agents via Cooperative Human-Al Games Charlet Ford Convenience on Communican and Captions into Stories Envaluating Visual Conversational Agents via Cooperative Human-Al Games Charlet Ford Convenience on Communican and Captions into Stories Envaluating Visual Conversational Agents via Cooperative Human-Al Games Charlet Ford Convenience Natural Language Processing Review Maries and Captions into Stories Review Maries Convenience Natural Language Proc		
A. Kalyan, A. Kumar, A. Chandrasekaran, A. Sabharwal, P. Clark  BABEL: Bodies, Action and Behavior with English Labels  (EEE)(VF Consense Concomputer Wisson And Partiesis Recognition  A. R. Punnakkal', A. Chandrasekaran', N. Athanasiou, A. Quiros-Ramirez, M. J. Black  Active domain adaptation via clustering uncertainty-weighted embeddings  (CCV  IEEE)(VF InternationAut. Consense con Computer Wisson  Oct. 2021  V. Prabhu, A. Chandrasekaran, N. Saerko, J. Hoffman  A computational model of early word learning from the infant's point of view  A computational model of early word learning from the infant's point of view  A computational model of early word learning from the infant's point of view  A computational model in early word learning from the infant's point of view  A computational model in early word learning from the infant's point of view  A computational model in early word learning from the infant's point of view  A computational model in early word learning from the infant's point of view  A computation modalities make VQA models more predictable to a human?  EMBLE Consense con the medical Microbos in Natrusa. Language Processing  A. Chandrasekaran, W. Prabhur, D. Vadar', P. Chattopadhyay', D. Parikh  Punny Captions: Witty Wordplay in Image Descriptions  MACL  Norma American Chartier of the Association Fore Commutational Linguistics  A. Chandrasekaran, D. Parikh, M. Barnsal  Evaluating Visual Conversational Agents via Cooperative Human-Al Games  Consense on Human Computation and Conversations fore Commutations in Stories  Enriesco in Human Computation and Conversations in Stories  Enriesco in Human Computation and Partiens Recognition in Stories  Enriesco in Human Computation and Partiens Recognition in Stories  Enriesco in Human Computation and Partiens Recognition in Stories  Enriesco in Human Computation in Barna, D. Parikh, M. Bansal  We Are Humor Beings: Understanding and Predicting Visual Humor  Core  **Core  **Preprints**  Locate: End-to-end Localization of Actions in 3D with Transformers  Ackwa	Reasoning Challenge for AI	EMNLP
IEEE (CVF CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION A.R. PUNDAKIAP', A. Chandrasekaran', N. Althanasiou, A. Quitos-Ramirez, M. J. Black  Active domain adaptation via clustering uncertainty-weighted embeddings   CCV		Nov. 2021
A. R. Punnakkal', A. Chandrasekaran', N. Athanasiou, A. Quiros-Ramirez, M. J. Bilack  Active domain adaptation via clustering uncertainty-weighted embeddings  (CCV)  IEEE/CVF International Conference on Computer Vision  V. Prabhu, A. Chandrasekaran, K. Saenko, J. Hoffman  A computational model of early word learning from the infant's point of view  Annual Conference of the Cooming Science Society  S. Tsutsui, A. Chandrasekaran, M. A. Reza, D. Crandall, C. Yu  Do explanation modalities make VQA models more predictable to a human?  EMNLP  Conference on Empirical Methods in Natruanal Landouace Processing  A. Chandrasekaran', V. Prabhu', D. Yadaw', P. C. Chattopadhyay', D. Parikh  Punny Captions: Witty Wordplay in Image Descriptions  A. Chandrasekaran', U. Parikh, M. Bansal  Evaluating Visual Conversational Agents via Cooperative Human-Al Games  Conference on Human Conference on Human Conference with Conference on Human Conference on Confer	BABEL: Bodies, Action and Behavior with English Labels	CVPR
Active domain adaptation via clustering uncertainty-weighted embeddings   CCC     EEE/CVF International Conference on Cosputing Vision   Oct. 2021     V. Prabhu, A. Chandrasekaran, K. Ssenko, J. Hoffman     A computational model of early word learning from the infant's point of view     Annual Conference of the Cognitive Science Society   30½ 2020     Struttsuif, A. Chandrasekaran, M. A. Re2a, D. Crandall, C. Yu     Do explanation modalities make VQA models more predictable to a human?   EMNLP     Comercence of Embrical Methods in Natural Lukoukee Processing   Nov. 2018     A. Chandrasekaran', V. Prabhu', D. Yadaw', P. Chattopadhyay', D. Parikh     Punny Captions: Witty Wordplay in Image Descriptions   NAMCL     North Admiticas Cham'rise of the Associations for Comerciational Lukousistics   June 2018     A. Chandrasekaran, D. Parikh, M. Bansal     Evaluating Visual Conversational Agents via Cooperative Human-Al Games   ICCOMP     Conference on Human Computation and Computational Agents via Cooperative Human-Al Games   ICCOMP     Conference on Human Computation and Concessions   ICCOMP     Contractive Human Computation and Captions into Stories   ICCOMP     EMPRICAL METHODS in Natural Lukoususee Processions   ICCOMP     A. Chandrasekaran', D. Batta, D. Parikh, M. Bansal     We Are Humor Beings: Understanding and Predicting Visual Humor   ICCOMP     CEE Concernence on Convourter Vision and Partiern Recognition   ICCOMP     A. Chandrasekaran', A. K. Vijayakumar, S. Antol, M. Bansal, D. Batra, C. L. Zitnick, D. Parikh     * Denotes equal contribution.     Preprints   ICCOMP		June 2021
REER/CVF INTERNATIONAL CONFERENCE ON COMPUTER VISION V. Prabhu, A. Chandrasekaran, K. Saenko, J. Hoffman  A computational model of early word learning from the infant's point of view  A computational model of early word learning from the infant's point of view  A computation model ities make VQA models more predictable to a human?  Do explanation modalities make VQA models more predictable to a human?  CONFERENCE ON EMPIRICAL METHODS IN NATURAL LANGUAGE PROCESSING  A. Chandrasekaran, Y. Prabhur, D. Vaddav, P. Chattopadhyayr, D. Parikh  Punny Captions: Witty Wordplay in Image Descriptions  NANCL  NORTH AMERICAN CHAPTER OF THE ASSOCIATION FOR COMPUTATIONAL LINGUISTICS  A. Chandrasekaran, D. Parikh, M. Banssl  Evaluating Visual Conversational Agents via Cooperative Human-AI Games  CONFERENCE ON HUMAN COMPUTATION AND CROWDSOURCING  CONFERENCE ON HUMAN COMPUTATION AND CROWDSOURCING  CONTERENCE ON HUMAN COMPUTATION AND CROWDSOURCING  REMPIRICAL METHODS IN NATURAL LANGUAGE PROCESSING  A. Chandrasekaran, Y. C. Handrasekaran, D. Parikh, M. Banssl  We Are Humor Beings: Understanding and Predicting Visual Humor  CVPR  IEEE CONFERENCE ON COMPUTER VISION AND PATIETRE RECOGNITION  A. Chandrasekaran, A. K. Vijayakumar, S. Antol, M. Banssl, D. Batra, C. L. Zitnick, D. Parikh  * Denotes equal contribution.  Preprints  LocATe: End-to-end Localization of Actions in 3D with Transformers  ARXV  A. Chandrasekaran, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  AWAY  A. Chandrasekaran, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  AWAY  A. Chandrasekaran, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  AWAY  O Locat	A. R. Punnakkal*, <b>A. Chandrasekaran</b> *, N. Athanasiou, A. Quiros-Ramirez, M. J. Black	
R. Computational model of early word learning from the infant's point of view  A computational model of early word learning from the infant's point of view  A competence or the Constrive Science Society S. Tsutsul, A. Chandrasekaran, M. A. Reza, D. Crandall, C. Yu  Do explanation modalities make VQA models more predictable to a human?  EMNLP COMPETENCE ON EMPIRICAL METHODS IN NATURAL LANGUAGE PROCESSING A. Chandrasekaran*, V. Prabhu*, D. Yadav*, P. Chattopadhyay*, D. Parikh  Punny Captions: Witty Wordplay in Image Descriptions A. Chandrasekaran Charrier for the Associations For Computational Linguistics A. Chandrasekaran D. Parikh, M. Bansal  Evaluating Visual Conversational Agents via Cooperative Human-Al Games CONFERENCE ON HUMAN COMPUTATION AND CROWSSOURGING P. Chattopadhyay, D. Yadav, V. Prabhu, A. Chandrasekaran, A. Das, S. Lee, D. Batra, D. Parikh P. Chattopadhyay, D. Yadav, V. Prabhu, A. Chandrasekaran, A. Das, S. Lee, D. Batra, D. Parikh P. Chattopadhyay, D. Yadav, V. Prabhu, A. Chandrasekaran, B. Das, S. Lee, D. Batra, D. Parikh P. Chattopadhyay, D. Yadav, V. Prabhu, A. Chandrasekaran, D. Batra, D. Parikh, M. Bansal  We Are Humor Beings: Understanding and Predicting Visual Humor EEE Conversence on Computer Vision And Partern Recognition P. Chandrasekaran, A. K. Vijayakumar, S. Antol, M. Bansal, D. Batra, C. L. Zitnick, D. Parikh Penpints  LocATe: End-to-end Localization of Actions in 3D with Transformers  LocATe: End-to-end Localization of Actions in 3D with Transformers  It takes Two to Tango: Towards Theory of Al's Mind Aaxiv A. Chandrasekaran*, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  AWards  Reviewing  Outstanding reviewer, Computer Vision and Pattern Recognition (CVPR).  Witual conference	Active domain adaptation via clustering uncertainty-weighted embeddings	ICCV
A computational model of early word learning from the infant's point of view ANNUAL CONFERENCE OF THE COGNITIVE SCIENCE SOCIETY July 2020 S. TSUTSUII, A. Chandrasekaran, M. A. Reza, D. Crandall, C. Yu  Do explanation modalities make VQA models more predictable to a human? EMNLP CONFERENCE ON EMPIRICAL METHODS IN NATURAL LANGUAGE PROCESSING A. Chandrasekaran*, V. Prabhu*, D. Yadav*, P. Chattopadhyay*, D. Parikh  Punny Captions: Witty Wordplay in Image Descriptions NAFACL NORTH AMERICAN CHAPTER OF THE ASSOCIATION FOR COMPUTATIONAL LINGUISTICS June 2018 A. Chandrasekaran, D. Parikh, M. Bansal  Evaluating Visual Conversational Agents via Cooperative Human-AI Games H. COMP CONFERENCE ON HUMAN COMPUTATION AND CROWNSOURCING P. Chattopadhyay, D. Yadav, V. Probhu, A. Chandrasekaran, A. Das, S. Lee, D. Batra, D. Parikh  SortStory: Sorting Jumbled Images and Captions into Stories EMNLP EMPIRICAL METHODS IN NATURAL LANGUAGE PROCESSING H. Agrawal*, A. Chandrasekaran*, D. Batra, D. Parikh, M. Bansal  We Are Humor Beings: Understanding and Predicting Visual Humor CVPR IEEE CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION A. Chandrasekaran, A. K. Vijayakumar, S. Antol, M. Bansal, D. Batra, C. L. Zitnick, D. Parikh  *Denotes equal contribution.  Preprints  LocATe: End-to-end Localization of Actions in 3D with Transformers  ARXIV ACHANDARY A. Chandrasekaran It takes Two to Tango: Towards Theory of AI's Mind  ARXIV A. Chandrasekaran*, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  AWAR'S A. Chandrasekaran*, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  AWAR'S  REVIEWING  2021 Outstanding reviewer, Computer Vision and Pattern Recognition (CVPR).  Witual conference	,	Oct. 2021
ANNUAL CONFERENCE OF THE COGNITIVE SCIENCE SOCIETY  5. TSUISUII, A. Chandrasekaran, M. A. Reza, D. Crandall, C. Yu  Do explanation modalities make VQA models more predictable to a human?  EMNLP CONFERENCE ON EMPIRICAL METHODS IN NATURAL LANGUAGE PROCESSING A. Chandrasekaran*, V. Prabhu*, D. Yadav*, P. Chattopadhyay*, D. Parikh  Punny Captions: Witty Wordplay in Image Descriptions NAFACL NORTH AMERICAN CHAPTER OF THE ASSOCIATION FOR COMPUTATIONAL LINGUISTICS A. Chandrasekaran, D. Parikh, M. Bansal  Evaluating Visual Conversational Agents via Cooperative Human-Al Games COL 2017 P. Chattopadhyay, D. Yadav, V. Prabhu, A. Chandrasekaran, A. Das, S. Lee, D. Batra, D. Parikh  SortStory: Sorting Jumbled Images and Captions into Stories EMNLP EMPIRICAL METHODS IN NATURAL LANGUAGE PROCESSING H. Agrawal*, A. Chandrasekaran*, D. Barikh, M. Bansal  We Are Humor Beings: Understanding and Predicting Visual Humor CVPR IEEE Conversence on Computer Vision And Pattern Recognition A. Chandrasekaran, A. K. Vijayakumar, S. Aritol, M. Bansal, D. Batra, C. L. Zitnick, D. Parikh  * Denotes equal contribution.  * Lakav Auxia (Apr. 2012 A. Chandrasekaran*, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  * Auxia (Apr. 2017 A. Chandrasekaran*, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  * Auxia (Apr. 2017 A. Chandrasekaran*, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  * Awards  * Reviewing  * Outstanding reviewer, Computer Vision and Pattern Recognition (CVPR).  * Witual conference	V. Prabhu, <b>A. Chandrasekaran</b> , K. Saenko, J. Hoffman	
S. TSUTSUI, A. Chandrasekaran, M. A. Reza, D. Crandall, C. Yu  Do explanation modalities make VQA models more predictable to a human?  EMNLP CONFERENCE ON EMPIRICAL METHODS IN NATURAL LANGUAGE PROCESSING A. Chandrasekaran*, V. Prabhu*, D. Yadav*, P. Chattopadhyay*, D. Parikh  Punny Captions: Witty Wordplay in Image Descriptions MACL NORTH AMERICAN CHAPTER OF THE ASSOCIATION FOR COMPUTATIONAL LINGUISTICS A. Chandrasekaran, D. Parikh, M. Bansal  Evaluating Visual Conversational Agents via Cooperative Human-Al Games Evaluating Visual Conversational Agents via Cooperative Human-Al Games CONFERENCE ON HUMAN COMPUTATION AND CROWDSOURCING CONFERENCE ON COMPUTATION AND PATTERN RECOGNITION CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION CONFERENCE	A computational model of early word learning from the infant's point of view	CogSci
Do explanation modalities make VQA models more predictable to a human?  Conference on Empriroda Methodos in Natural Language Processing A. Chandrasekaran*, V. Prabhu*, D. Yadav*, P. Chattopadhyay*, D. Parikh  Punny Captions: Witty Wordplay in Image Descriptions A. Chandrasekaran, D. Parikh, M. Bansal  Evaluating Visual Conversational Agents via Cooperative Human-Al Games Conference on Human Computation and Captions in Vocal P. Chattopadhyay, D. Parikh A. Chandrasekaran, D. Parikh, M. Bansal  Evaluating Visual Conversational Agents via Cooperative Human-Al Games Conference on Human Computation and Captions (No. 2017) P. Chattopadhyay, D. Yadav, V. Prabhu, A. Chandrasekaran, A. Das, S. Lee, D. Batra, D. Parikh  SortStory: Sorting Jumbled Images and Captions into Stories Empirical Methodos in Natural Language Processing H. Agrawal*, A. Chandrasekaran*, D. Batra, D. Parikh, M. Bansal  We Are Humor Beings: Understanding and Predicting Visual Humor IEEE Conference on Computer Vision and Pattern Recognition A. Chandrasekaran*, A. K. Vijayakumar, S. Antol, M. Bansal, D. Batra, C. L. Zitnick, D. Parikh  * Denotes equal contribution.  Preprints  LocATe: End-to-end Localization of Actions in 3D with Transformers  Anxiv J. Sun, B. Zhou, M. J. Black, A. Chandrasekaran  It takes Two to Tango: Towards Theory of Al's Mind  Axiv A. Chandrasekaran*, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  Awards  Reviewing  Reviewing  Outstanding reviewer, Computer Vision and Pattern Recognition (CVPR).  Virtual conference		July 2020
COMPERENCE ON EMPIRICAL METHODS IN NATURAL LANGUAGE PROCESSING A. Chandrasekaran*, V. Prabhu*, D. Yadav*, P. Chattopadhyay*, D. Parikh  Punny Captions: Witty Wordplay in Image Descriptions NAACL NORTH AMERICAN CHAPTER OF THE ASSOCIATION FOR COMPUTATIONAL LINGUISTICS A. Chandrasekaran, D. Parikh, D. Parikh Sansal  Evaluating Visual Conversational Agents via Cooperative Human-AI Games COLDIT C. Chattopadhyay, D. Yadav, V. Prabhu, A. Chandrasekaran, A. Das, S. Lee, D. Batra, D. Parikh  SortStory: Sorting Jumbled Images and Captions into Stories EMNLP EMPIRICAN METHODS IN NATURAL LANGUAGE PROCESSING NOW 2016 H. Agrawal*, A. Chandrasekaran*, D. Batra, D. Parikh, M. Bansal  We Are Humor Beings: Understanding and Predicting Visual Humor CVPR IEEE CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION A. Chandrasekaran, A. K. Vijayakumar, S. Antol, M. Bansal, D. Batra, C. L. Zitnick, D. Parikh  * Denotes equal contribution.  Preprints  LocATe: End-to-end Localization of Actions in 3D with Transformers  ARXIV J. Sun, B. Zhou, M. J. Black, A. Chandrasekaran It takes Two to Tango: Towards Theory of AI's Mind  ARXIV A. Chandrasekaran*, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  AWards  REVIEWING  2021 Outstanding reviewer, Computer Vision and Pattern Recognition (CVPR).  Virtual conference	S. Tsutsui <b>, A. Chandrasekaran</b> , M. A. Reza, D. Crandali, C. Yu	
A. Chandrasekaran*, V. Prabhu*, D. Yadav*, P. Chattopadhyay*, D. Parikh  Punny Captions: Witty Wordplay in Image Descriptions  NACL  North American Charter of the Association For Computational Linguistics  A. Chandrasekaran, D. Parikh, M. Bansal  Evaluating Visual Conversational Agents via Cooperative Human-AI Games  Conference on Human Computation and Crowbsourcing  Cot. 2017  P. Chattopadhyay, D. Yadav, V. Prabhu, A. Chandrasekaran, A. Das, S. Lee, D. Batra, D. Parikh  SortStory: Sorting Jumbled Images and Captions into Stories  Empirical Methods in Natural Language Processing  H. Agrawal*, A. Chandrasekaran*, D. Batra, D. Parikh, M. Bansal  We Are Humor Beings: Understanding and Predicting Visual Humor  CVPR  IEEE Conference on Computer Vision And Pattern Recognition  A. Chandrasekaran, A. K. Vijayakumar, S. Antol, M. Bansal, D. Batra, C. L. Zitnick, D. Parikh  * Denotes equal contribution.  Preprints  LocATe: End-to-end Localization of Actions in 3D with Transformers  ARXIV  ARXIV  APIC 2022  J. Sun, B. Zhou, M. J. Black, A. Chandrasekaran  It takes Two to Tango: Towards Theory of AI's Mind  ARXIV  A. Chandrasekaran*, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  AWards  REVIEWING  REVIEWING  1021 Outstanding reviewer, Computer Vision and Pattern Recognition (CVPR). Virtual conference	Do explanation modalities make VQA models more predictable to a human?	EMNLP
Punny Captions: Witty Wordplay in Image Descriptions  NORTH AMERICAN CHAPTER OF THE ASSOCIATION FOR COMPUTATIONAL LINGUISTICS A. Chandrasekaran, D. Parikh, M. Bansal  Evaluating Visual Conversational Agents via Cooperative Human-AI Games CONFERENCE ON HUMAN COMPUTATION AND CROWDSOURCING COL 2017 P. Chattopadhyay, D. Yadav, V. Prabhu, A. Chandrasekaran, A. Das, S. Lee, D. Batra, D. Parikh  SortStory: Sorting Jumbled Images and Captions into Stories EMNLP EMPIRICAL METHODS IN NATURAL LANGUAGE PROCESSING H. Agrawal*, A. Chandrasekaran*, D. Batra, D. Parikh, M. Bansal  We Are Humor Beings: Understanding and Predicting Visual Humor CVPR IEEE CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION A. Chandrasekaran, A. K. Vijayakumar, S. Antol, M. Bansal, D. Batra, C. L. Zitnick, D. Parikh  * Denotes equal contribution.  Preprints  LocATe: End-to-end Localization of Actions in 3D with Transformers ARXIV J. Sun, B. Zhou, M. J. Black, A. Chandrasekaran  It takes Two to Tango: Towards Theory of AI's Mind ARXIV A. Chandrasekaran*, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  AWards  REVIEWING  2021 Outstanding reviewer, Computer Vision and Pattern Recognition (CVPR).  Witual conference		Nov. 2018
NORTH AMERICAN CHAPTER OF THE ASSOCIATION FOR COMPUTATIONAL LINGUISTICS A. Chandrasekaran, D. Parikh, M. Bansal  Evaluating Visual Conversational Agents via Cooperative Human-Al Games  HCOMP CONFERENCE ON HUMAN COMPUTATION AND CROWDSOURCING P. Chattopadhyay, D. Yadav, V. Prabhu, A. Chandrasekaran, A. Das, S. Lee, D. Batra, D. Parikh  SortStory: Sorting Jumbled Images and Captions into Stories  EMNLP EMPIRICAL METHODS IN NATURAL LANGUAGE PROCESSING H. Agrawal*, A. Chandrasekaran*, D. Batra, D. Parikh, M. Bansal  We Are Humor Beings: Understanding and Predicting Visual Humor  CVPR IEEE CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION A. Chandrasekaran, A. K. Vijayakumar, S. Antol, M. Bansal, D. Batra, C. L. Zitnick, D. Parikh  * Denotes equal contribution.  Preprints  LocATe: End-to-end Localization of Actions in 3D with Transformers  ARXIV  J. Sun, B. Zhou, M. J. Black, A. Chandrasekaran  It takes Two to Tango: Towards Theory of Al's Mind  ARXIV  A. Chandrasekaran*, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  AWards  REVIEWING  1021 Outstanding reviewer, Computer Vision and Pattern Recognition (CVPR).  Virtual conference	A. Chandrasekaran*, V. Prabhu*, D. Yadav*, P. Chattopadhyay*, D. Parikh	
Evaluating Visual Conversational Agents via Cooperative Human-Al Games	Punny Captions: Witty Wordplay in Image Descriptions	NAACL
Evaluating Visual Conversational Agents via Cooperative Human-Al Games CONFERENCE ON HUMAN COMPUTATION AND CROWDSOURCING CONFERENCE ON HUMAN COMPUTATION AND CROWDSOURCING CC. 2017 C. Chattopadhyay, D. Yadav, V. Prabhu, A. Chandrasekaran, A. Das, S. Lee, D. Batra, D. Parikh  SortStory: Sorting Jumbled Images and Captions into Stories EMNLP EMPIRICAL METHODS IN NATURAL LANGUAGE PROCESSING H. Agrawal", A. Chandrasekaran*, D. Batra, D. Parikh, M. Bansal  We Are Humor Beings: Understanding and Predicting Visual Humor CVPR IEEE CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION A. Chandrasekaran, A. K. Vijayakumar, S. Antol, M. Bansal, D. Batra, C. L. Zitnick, D. Parikh  * Denotes equal contribution.  Preprints  LocATe: End-to-end Localization of Actions in 3D with Transformers  ARXIV Agr. 2022 J. Sun, B. Zhou, M. J. Black, A. Chandrasekaran  It takes Two to Tango: Towards Theory of Al's Mind  ARXIV A. Chandrasekaran*, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  Awards  REVIEWING 2021 Outstanding reviewer, Computer Vision and Pattern Recognition (CVPR).  Virtual conference		June 2018
CONFERENCE ON HUMAN COMPUTATION AND CROWDSOURCING P. Chattopadhyay, D. Yadav, V. Prabhu, A. Chandrasekaran, A. Das, S. Lee, D. Batra, D. Parikh  SortStory: Sorting Jumbled Images and Captions into Stories EMNLP EMPIRICAL METHODS IN NATURAL LANGUAGE PROCESSING Nov. 2016 H. Agrawal*, A. Chandrasekaran*, D. Batra, D. Parikh, M. Bansal  We Are Humor Beings: Understanding and Predicting Visual Humor [EEE CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION A. Chandrasekaran, A. K. Vijayakumar, S. Antol, M. Bansal, D. Batra, C. L. Zitnick, D. Parikh  * Denotes equal contribution.  Preprints  LocATe: End-to-end Localization of Actions in 3D with Transformers ARXIV Mor. 2022 J. Sun, B. Zhou, M. J. Black, A. Chandrasekaran It takes Two to Tango: Towards Theory of Al's Mind ARXIV Apr. 2017 A. Chandrasekaran*, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  Awards  REVIEWING 2021 Outstanding reviewer, Computer Vision and Pattern Recognition (CVPR). Virtual conference	A. Chandrasekaran, D. Parikh, M. Bansal	
P. Chattopadhyay, D. Yadav, V. Prabhu, A. Chandrasekaran, A. Das, S. Lee, D. Batra, D. Parikh  SortStory: Sorting Jumbled Images and Captions into Stories  EMNLP  EMPIRICAL METHODS IN NATURAL LANGUAGE PROCESSING  Nov. 2016 H. Agrawal*, A. Chandrasekaran*, D. Batra, D. Parikh, M. Bansal  We Are Humor Beings: Understanding and Predicting Visual Humor  EEE CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION  A. Chandrasekaran, A. K. Vijayakumar, S. Antol, M. Bansal, D. Batra, C. L. Zitnick, D. Parikh  * Denotes equal contribution.  Preprints  LocATe: End-to-end Localization of Actions in 3D with Transformers  ARXIV  ARXIV  Mor. 2022  J. Sun, B. Zhou, M. J. Black, A. Chandrasekaran  It takes Two to Tango: Towards Theory of Al's Mind  ARXIV  A. Chandrasekaran*, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  AWArds  REVIEWING  2021 Outstanding reviewer, Computer Vision and Pattern Recognition (CVPR).  Virtual conference	Evaluating Visual Conversational Agents via Cooperative Human-Al Games	HCOMP
SortStory: Sorting Jumbled Images and Captions into Stories  EMNLP EMPIRICAL METHODS IN NATURAL LANGUAGE PROCESSING Nov. 2016 H. Agrawal*, A. Chandrasekaran*, D. Batra, D. Parikh, M. Bansal  We Are Humor Beings: Understanding and Predicting Visual Humor CVPR IEEE CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION A. Chandrasekaran, A. K. Vijayakumar, S. Antol, M. Bansal, D. Batra, C. L. Zitnick, D. Parikh  * Denotes equal contribution.  Preprints  LocATe: End-to-end Localization of Actions in 3D with Transformers  ARXIV ARXIV ARXIV ARXIV APIC 2012  It takes Two to Tango: Towards Theory of Al's Mind  ARXIV A. Chandrasekaran*, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  AWards  REVIEWING  2021 Outstanding reviewer, Computer Vision and Pattern Recognition (CVPR). Virtual conference		Oct. 2017
EMPIRICAL METHODS IN NATURAL LANGUAGE PROCESSING H. Agrawal*, A. Chandrasekaran*, D. Batra, D. Parikh, M. Bansal  We Are Humor Beings: Understanding and Predicting Visual Humor  CVPR IEEE CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION A. Chandrasekaran, A. K. Vijayakumar, S. Antol, M. Bansal, D. Batra, C. L. Zitnick, D. Parikh  * Denotes equal contribution.  Preprints  LocATe: End-to-end Localization of Actions in 3D with Transformers  ARXIV  Mar. 2022 J. Sun, B. Zhou, M. J. Black, A. Chandrasekaran  It takes Two to Tango: Towards Theory of Al's Mind  ARXIV  A. Chandrasekaran*, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  AWards  REVIEWING  2021 Outstanding reviewer, Computer Vision and Pattern Recognition (CVPR).  Virtual conference	P. Chattopadhyay, D. Yadav, V. Prabhu, <b>A. Chandrasekaran</b> , A. Das, S. Lee, D. Batra, D. Parikh	
We Are Humor Beings: Understanding and Predicting Visual Humor  CVPR IEEE CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION A. Chandrasekaran, A. K. Vijayakumar, S. Antol, M. Bansal, D. Batra, C. L. Zitnick, D. Parikh  * Denotes equal contribution.  Preprints  LocATe: End-to-end Localization of Actions in 3D with Transformers  ARXIV ARXIV API. 2017 A. Chandrasekaran*, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  AWARTS  REVIEWING  2021 Outstanding reviewer, Computer Vision and Pattern Recognition (CVPR).  Virtual conference	SortStory: Sorting Jumbled Images and Captions into Stories	EMNLP
We Are Humor Beings: Understanding and Predicting Visual Humor  IEEE CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION  A. Chandrasekaran, A. K. Vijayakumar, S. Antol, M. Bansal, D. Batra, C. L. Zitnick, D. Parikh  * Denotes equal contribution.  Preprints  LocATe: End-to-end Localization of Actions in 3D with Transformers  ARXIV  Mar. 2022  J. Sun, B. Zhou, M. J. Black, A. Chandrasekaran  It takes Two to Tango: Towards Theory of Al's Mind  ARXIV  Apr. 2017  A. Chandrasekaran*, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  Awards  REVIEWING  2021 Outstanding reviewer, Computer Vision and Pattern Recognition (CVPR).  Virtual conference		Nov. 2016
IEEE CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION A. Chandrasekaran, A. K. Vijayakumar, S. Antol, M. Bansal, D. Batra, C. L. Zitnick, D. Parikh  * Denotes equal contribution.  Preprints  LocATe: End-to-end Localization of Actions in 3D with Transformers  ARXIV Mar. 2022 J. Sun, B. Zhou, M. J. Black, A. Chandrasekaran  It takes Two to Tango: Towards Theory of Al's Mind  ARXIV A. Chandrasekaran*, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  AWards  REVIEWING  2021 Outstanding reviewer, Computer Vision and Pattern Recognition (CVPR). Virtual conference	H. Agrawal*, <b>A. Chandrasekaran</b> *, D. Batra, D. Parikh, M. Bansal	
A. Chandrasekaran, A. K. Vijayakumar, S. Antol, M. Bansal, D. Batra, C. L. Zitnick, D. Parikh  * Denotes equal contribution.  Preprints  LocATe: End-to-end Localization of Actions in 3D with Transformers  ARXIV Mar. 2022  J. Sun, B. Zhou, M. J. Black, A. Chandrasekaran  It takes Two to Tango: Towards Theory of Al's Mind  ARXIV Apr. 2017  A. Chandrasekaran*, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  Awards  REVIEWING  2021 Outstanding reviewer, Computer Vision and Pattern Recognition (CVPR). Virtual conference	We Are Humor Beings: Understanding and Predicting Visual Humor	CVPR
* Denotes equal contribution.  Preprints  LocATe: End-to-end Localization of Actions in 3D with Transformers  ARXIV  J. Sun, B. Zhou, M. J. Black, A. Chandrasekaran  It takes Two to Tango: Towards Theory of Al's Mind  ARXIV  Apr. 2017  A. Chandrasekaran*, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  Awards  REVIEWING  2021 Outstanding reviewer, Computer Vision and Pattern Recognition (CVPR).  Virtual conference		July 2016
Preprints  LocATe: End-to-end Localization of Actions in 3D with Transformers  ARXIV  J. Sun, B. Zhou, M. J. Black, A. Chandrasekaran  It takes Two to Tango: Towards Theory of Al's Mind  ARXIV  A. Chandrasekaran*, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  Awards  REVIEWING  2021 Outstanding reviewer, Computer Vision and Pattern Recognition (CVPR).  Virtual conference	A. Chandrasekaran, A. K. Vijayakumar, S. Antol, M. Bansal, D. Batra, C. L. Zitnick, D. Parikh	
LocATe: End-to-end Localization of Actions in 3D with Transformers  ARXIV  J. Sun, B. Zhou, M. J. Black, A. Chandrasekaran  It takes Two to Tango: Towards Theory of Al's Mind  ARXIV  A. Chandrasekaran*, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  AWards  REVIEWING  2021 Outstanding reviewer, Computer Vision and Pattern Recognition (CVPR).  Virtual conference	* Denotes equal contribution.	
ARXIV J. Sun, B. Zhou, M. J. Black, A. Chandrasekaran  It takes Two to Tango: Towards Theory of Al's Mind  ARXIV A. Chandrasekaran*, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  AWards  REVIEWING  2021 Outstanding reviewer, Computer Vision and Pattern Recognition (CVPR).  Mar. 2022  Apr. 2017  Apr. 2017  Apr. 2017  Apr. 2017  Avairable Conference	Preprints	
ARXIV J. Sun, B. Zhou, M. J. Black, A. Chandrasekaran  It takes Two to Tango: Towards Theory of Al's Mind  ARXIV A. Chandrasekaran*, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  AWards  REVIEWING  2021 Outstanding reviewer, Computer Vision and Pattern Recognition (CVPR).  Mar. 2022  Apr. 2017  Apr. 2017  Apr. 2017  Apr. 2017  Avairable Conference	LocATe: End-to-end Localization of Actions in 3D with Transformers	
It takes Two to Tango: Towards Theory of Al's Mind  ARXIV  A. Chandrasekaran*, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  AWards  REVIEWING  2021 Outstanding reviewer, Computer Vision and Pattern Recognition (CVPR).  Virtual conference		Mar. 2022
ARXIV A. Chandrasekaran*, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  Awards  REVIEWING  2021 Outstanding reviewer, Computer Vision and Pattern Recognition (CVPR).  Virtual conference	J. Sun, B. Zhou, M. J. Black, <b>A. Chandrasekaran</b>	
ARXIV A. Chandrasekaran*, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh  Awards  REVIEWING  2021 Outstanding reviewer, Computer Vision and Pattern Recognition (CVPR).  Virtual conference	It takes Two to Tango: Towards Theory of Al's Mind	
Awards  REVIEWING  2021 Outstanding reviewer, Computer Vision and Pattern Recognition (CVPR). Virtual conference		Apr. 2017
REVIEWING  2021 Outstanding reviewer, Computer Vision and Pattern Recognition (CVPR). Virtual conference	<b>A. Chandrasekaran</b> *, D. Yadav*, P. Chattopadhyay*, V. Prabhu*, D. Parikh	
2021 <b>Outstanding reviewer</b> , Computer Vision and Pattern Recognition (CVPR). <i>Virtual conference</i>	Awards	
2021 <b>Outstanding reviewer</b> , Computer Vision and Pattern Recognition (CVPR). <i>Virtual conference</i>	Reviewing	
	2021 <b>Outstanding reviewer</b> , Computer Vision and Pattern Recognition (CVPR).	Virtual conference

# **Talks**

- 'Grounding language in 3D human movement', Amazon AWS (remote talk). 2022.
- 'Grounding language in 3D human movement', NEON, Samsung Research America (remote talk). 2022.
- 'Computational Humor Meeting' (Off-the-grid virtual meeting). 2022.
- 'Talk & Talk' seminar series at MPI for Intelligent Systems, Tübingen, Germany (remote talk). 2021.
- Mercedes-Daimler Research, Bangalore, India (remote talk). 2021.
- Perceiving Systems Dept. at MPI for Intelligent Systems, Tübingen, Germany. 2019.
- Dept. of Psychological and Brain Sciences, Indiana University, Bloomington, USA. 2019.
- · Laboratory of Sensorimotor Research, National Institutes for Health (NIH), Bethesda, USA. 2019.
- Invited talk at the 'Vision and Language' course at Georgia Tech, Atlanta, USA. 2018.
- Institute for Critical Technology and Applied Science (ICTAS) seminar series at Virginia Tech, Blacksburg, USA. 2017.
- Mid-Atlantic Computer Vision (MACV) Workshop at Johns Hopkins University, Baltimore, USA. 2017.
- CVPR Spotlight talk (on Visual Humor) at Las Vegas, USA. 2016.

# Reviewing

- 2022 CVPR, ICRA, ECCV, NeurIPS
- 2021 CVPR, NeurIPS, AAAI
- **2020** ICRA, CogSci
- 2019 ICML, NAACL, NCVPRIPG (India)
- 2018 CVPR, ICML
- 2017 CVPR, NIPS

# **Advising**

#### Current

- Darsh Kaushik. Intern (B. Tech. at NIT Silchar, India).
- Leyre Sánchez Viñuela. Intern (MA in Computational Linguistics at University of Tübingen).

## **Past**

- Jiankai Sun. Intern (MS at Chinese University of Hong Kong  $\rightarrow$  PhD at Stanford University).
- Taylor McConnell. Intern (MA in Computational Linguistics at University of Tübingen → Data capture team at Perceiving Systems Dept.,
   MPI for Intelligent Systems).
- Mayank Lunayach. Intern (B. Tech. at IIT Kanpur, India → MS at Georgia Tech).

# Teaching .

### **CS 4476: Introduction to Computer Vision.**

Georgia Tech

HEAD TEACHING ASSISTANT. INSTRUCTOR: DEVI PARIKH.

Fall 2018

## CS 8803: Computer Vision and Language

Georgia Tech

TEACHING ASSISTANT. INSTRUCTOR: DEVI PARIKH.

Fall 2017