Anupam Guha

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Education

Doctor of Philosophy in Computer Science
University of Maryland, College Park, MD, USA   *August 2011 to December 2017, GPA: 4.0/4.0*

Master of Science in Computer Science
Georgia Institute of Technology, Atlanta, GA, USA   *August 2009 to August 2010, GPA: 4.0/4.0*

Bachelor of Technology in Information Technology
Guru Gobind Singh Indraprastha University, New Delhi, India   *2005–2009, CPI: 83%, First Class with Distinction*

Selected Publications

1. Mohit Iyyer, Varun Manjunatha, **Anupam Guha**, Yogarshi Vyas, Jordan Boyd-Graber, Hal Daumé III, and Larry Davis. The Amazing Mysteries of the Gutter: Drawing Inferences Between Panels in Comic Book Narratives, *Conference on Computer Vision and Pattern Recognition (CVPR)*, (2017).

2. Mohit Iyyer, **Anupam Guha**, Snigdha Chaturvedi, Jordan Boyd-Graber, and Hal Daumé III. Feuding Families and Former Friends: Unsupervised Learning for Dynamic Fictional Relationships, *North American Association for Computational Linguistics (NAACL)*, (2016). Best Paper Award

3. **Anupam Guha**, Mohit Iyyer, Danny Bouman, and Jordan Boyd-Graber. Removing the Training Wheels: A Coreference Dataset that Entertains Humans and Challenges Computers, *North American Association for Computational Linguistics (NAACL)*, (2015).

4. Yezhou Yang, **Anupam Guha**, Cornelia Fermüller, and Yiannis Aloimonos. Manipulation Action Tree Bank: A Knowledge Resource for Humanoids, *IEEE/RAS International Conference on Humanoid Robots*, (2014).

5. Yezhou Yang, **Anupam Guha**, Cornelia Fermüller, and Yiannis Aloimonos. A Cognitive System for Understanding Human Manipulation Actions, *Advances in Cognitive Systems*, (2014).

6. **Anupam Guha**, Yezhou Yang, Cornelia Fermüller, and Yiannis Aloimonos. Minimalist Plans for Interpreting Manipulation Actions, *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, (2013).

Work Experience

Senior Researcher at Comcast Labs, DC/Philadelphia   *September 2017–April 2019*
Research Intern at Comcast Labs, DC supervised by Dr. Ferhan Ture   *May 2016–August 2016*
Research Engineer in NSI Infinium Global Pvt. Ltd., India.   *September 2010–May 2011*

Research Experience

Graduate Research Assistant at Computational Linguistics and Information Processing Lab, University of Maryland,
with Dr. Jordan Boyd-Graber   *June 2014–August 2014 and January 2015–May 2015*
Working on multimodal coreference resolution, multimodal representations/embeddings, and factoid question answering.

Graduate Research Assistant at Center for Automation Research, University of Maryland,
with Dr. Yiannis Aloimonos   *June 2012–August 2012, June 2016–present*
Working on manipulation action understanding, multimodal coreference resolutions, semantic feedback in deep neural networks, zero shot learning using word embeddings, and coreference guided word embeddings.

Graduate Research Assistant and Master's Project at Health system's Institute, Georgia Institute of Technology,
with Dr. Ellen Yi-Luen Do   *January 2010–July 2010*
Worked on using machine learning to analyse psychometric data of patients suffering from mental disorders

Teaching Experience

Graduate Teaching Assistant at Department of Computer Science, University of Maryland. Have led recitations in:
Courses: Java (1 sem), Java II (4 sems), C (2 sem), Discrete Mathematics (1 sem), and Image Processing (2 sems)

Skills

Python (NLTK, numpy, sklearn), MATLAB, Theano, Java, LaTeX, HTML, MySQL, Linux
Relevant graduate courses taken in AI Planning, Machine Learning, Computational Linguistics, Computer Vision, KBAI
Exposure to OCaml, Coq Theorem Prover, LLVM compiler, Scientific Computing

Honours, Awards, and Activities

Best Paper Award, NAACL   *June 2016*
Qualcomm Innovation Fellowship, Qualcomm Award: $100,000 (Share: $50,000)   *August 2016 - July 2017*
Dean's Fellowship, University of Maryland Award: $5,000   *August 2011 - July 2013*
Founder and President of Undergraduate College Quizzing Society *Athenians*

Natural Languages: Native/bilingual fluency in Bangla, Hindi, and English. Beginner in Japanese.