

Ramakanth Pasunuru

· RESEARCH GRADUATE STUDENT, UNC CHAPEL HILL ·

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EDUCATION

University of North Carolina, Chapel Hill

August 2016 - Present

PhD in Computer Science. Advisor: [Prof. Mohit Bansal \(UNC-NLP Group\)](#)

Indian Institute of Technology, Kharagpur

July 2010 - May 2015

Bachelor of Technology in Electrical Engineering

Master of Technology in Instrumentation and Signal Processing

PUBLICATIONS

1. Ramakanth Pasunuru and Mohit Bansal. “Game-Based Video-Context Dialogue”. In *Proceedings of EMNLP 2018*. [[pdf](#)] [[data/code](#)]
2. Han Guo, Ramakanth Pasunuru, and Mohit Bansal. “Dynamic Multi-Level Multi-Task Learning for Sentence Simplification”. In *Proceedings of COLING 2018*. **Area Chair Favorites** [[pdf](#)] [[code](#)]
3. Han Guo*, Ramakanth Pasunuru*, and Mohit Bansal. “Soft Layer-Specific Multi-Task Summarization with Entailment and Question Generation”. In *Proceedings of ACL 2018*. [[pdf](#)]
4. Ramakanth Pasunuru and Mohit Bansal. “Multi-Reward Reinforced Summarization with Saliency and Entailment”. In *Proceedings of NAACL 2018*. [[pdf](#)]
5. Han Guo, Ramakanth Pasunuru, and Mohit Bansal. “Interactive-Length Multi-Task Video Captioning with Cooperative Feedback”. In *NIPS 2017 demo track*. [[pdf](#)]
6. Ramakanth Pasunuru and Mohit Bansal. “Reinforced Video Captioning with Entailment Rewards”. In *Proceedings of EMNLP 2017*. [[pdf](#)] [[code](#)]
7. Ramakanth Pasunuru, Han Guo, and Mohit Bansal. “Improving Abstractive Summarization via Entailment Generation”. In *Proceedings of EMNLP 2017 Workshop on New Frontiers in Summarization*. **Contributed Talk** [[pdf](#)]
8. Ramakanth Pasunuru and Mohit Bansal. “Multi-Task Video Captioning with Video and Entailment Generation”. In *Proceedings of ACL 2017*. **Outstanding Paper Award** [[pdf](#)]
9. Ramakanth Reddy, Priya Ranjan Muduli, and Anirban Mukherjee. “Compressed Sensing of Respiratory Signals Promoting Joint-Sparsity”. In *IEEE NCC 2016*. [[pdf](#)]
10. Aniruddha Maiti, Ramakanth Reddy, Anirban Mukherjee, “Structural Prediction of Dynamic Bayesian Networks with Partial Prior Information.” *IEEE Transactions on NanoBioScience 2015*. **Impact Factor: 2.771** [[pdf](#)]

ACHIEVEMENTS AND AWARDS

- **Area Chair Favorites, COLING 2018** *August 2018*
- **Outstanding Paper Award, ACL 2017** *June 2017*
- **ACL Don and Betty Walker Scholarship** *June 2017*
- **Innovation Award** (from UHG) for designing a prototype to solve double dipping fraud in healthcare *May 2016*
- **Diamond Recognition** (from Meena Jambulingam, Dir. IT Architecture, UHG) *Feb 2016*
Innovation and development work done towards designing an Enterprise Search Prototype, capable of searching and filtering millions of records extremely quickly and also able to handle huge influx of data
- **Topaz Recognition** (from Pradeep Gupta, Mgr Software Engineering, UHG) *Dec 2015*
For design and development of several prototypes aimed at solving complex problems in the portfolio & healthcare industry
- **MITACS Global Link Ambassador** and Research Intern at Simon Fraser University, Burnaby, Canada *2014*
- **MCM Scholarship** for 5 consecutive years for maintaining consistent excellent academic performance *2010-2014*
- **Central Scholarship** for excellent performance in 12th board exams conducted by AP board of Intermediate *2009*

RESEARCH INTERNSHIPS

- **Bloomberg LP, New York** *June 2018 - August 2018*
CTO RESEARCH INTERN, SUPERVISOR: [DR. DAVID ROSENBERG](#)
 - Worked on converting primitive objects in an image to a program sequence.
- **MITACS, School of Computer science, SFU, Canada** *May 2014 - July 2014*
RESEARCH INTERN, SUPERVISOR: [PROF. OLIVER SCHULTE](#)
 - Implemented and extended existing algorithms for handling databases with more than 10 million rows. Incorporated MULTs in decision trees changing WEKA source code in JAVA
 - Acknowledged for outstanding Organization skills and time-management skills for accomplishing given tasks within dead lines
- **Reliance Communication Ltd** *May 2013 - July 2013*
TECHNICAL INTERN
 - Associated with the SD-RAM Up-gradation team for one month in upgrading 3 CISCO routers in Mumbai
 - Reported a Comparative analysis for selecting efficient battery for telecommunications applications. Performed batteries tests at 3 BTS sites considering all technical and economic aspects

WORK EXPERIENCE

- **UnitedHealth Group** *July 2015 - June 2016*
SOFTWARE ENGINEER
 - Part of UHG team, whose objective is to identify inefficiencies in portfolio architecture and tackle complex problems by providing innovative solutions in the form of a workable prototypes - Enterprise search Engine, Content Management System
 - Got promoted to Software Engineer in 7 month period for the innovative work done in the organization

TEACHING
EXPERIENCE

Computer Science, UNC, Chapel Hill

August, 2016 - December, 2016

TEACHING ASSISTANT

- **Courses:** Foundations of Programming
- Conducted weekly recitations and guided students on assignments.

IIT, Kharagpur

July, 2014 - April, 2015

TEACHING ASSISTANT

- **Courses:** Signals and Networks Lab, Embedded Systems Lab
- Assisted professors in affiliating students with the core concepts behind experiments; led weekly guidance on experiments & assignments