

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