

# Ramakanth Pasunuru

· RESEARCH GRADUATE STUDENT, UNC CHAPEL HILL ·

☎ (+1) 9842444208 | ✉ ram@cs.unc.edu | 🏠 www.rama-kanth.com | 📺 ramakanth.1729

- EDUCATION**
- University of North Carolina, Chapel Hill** *August 2016 - Present*  
*PhD in Computer Science. Advisor: Prof. Mohit Bansal*
- Indian Institute of Technology, Kharagpur** *July 2010 - May 2015*  
*Bachelor of Technology in Electrical Engineering*  
*Master of Technology in Instrumentation and Signal Processing*
- PUBLICATIONS**
- Han Guo, Ramakanth Pasunuru, and Mohit Bansal. “Interactive-Length Multi-Task Video Captioning with Cooperative Feedback”. Accepted to NIPS 2017 demo track.
  - Ramakanth Pasunuru and Mohit Bansal. “Reinforced Video Captioning with Entailment Rewards”. In Proceedings of EMNLP, 2017.
  - 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**
  - Ramakanth Pasunuru and Mohit Bansal. “Multi-Task Video Captioning with Video and Entailment Generation”. In Proceedings of ACL, 2017. **Outstanding Paper Award**
  - Ramakanth Reddy, Priya Ranjan Muduli, and Anirban Mukherjee. “Compressed Sensing of Respiratory Signals Promoting Joint-Sparsity”. Communication (NCC), 2016 Twenty Second National Conference on. IEEE, 2016.
  - Aniruddha Maiti, Ramakanth Reddy, Anirban Mukherjee, “Structural Prediction of Dynamic Bayesian Networks with Partial Prior Information.” IEEE Transactions on NanoBioScience, vol 14, no. 1, pp. 95-103, 2015. **Impact Factor: 2.771**
- ACHIEVEMENTS AND AWARDS**
- **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*

## INTERNSHIPS

### **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