

# BHARGAVI PARANJAPE

bparan@cs.washington.edu | bhargaviparanjape.github.io

## EDUCATION

2019-	<b>University of Washington</b> , Paul G. Allen School <i>Doctor of Philosophy</i>
2017-2019	<b>Carnegie Mellon University</b> , Language Technologies Institute <i>Master of Science in Language Technologies</i> <b>Coursework:</b> Introduction to Machine Learning (PhD-level), Algorithms for NLP, Advanced Multimodal Machine Learning, Deep Reinforcement Learning, Neural Networks for NLP, Graduate Seminar on Dialogue Systems <b>GPA:</b> 4.12/4.33
2012-2016	<b>Indian Institute of Technology</b> , Kharagpur, India <i>Bachelor of Technology in Computer Science &amp; Engineering</i> <b>Coursework:</b> Information Retrieval, Artificial Intelligence, Social Computing, Randomized & Approximation Algorithms, Distributed Computing, Machine Learning, Natural Language Processing <b>CGPA:</b> 9.54/10; <b>Rank:</b> 4/70

## RESEARCH EXPERIENCE

Sep'18 - Present	<b>Graduate Research Assistant</b> , Language Technologies Institute, Carnegie Mellon University <i>Advisor: Prof. Graham Neubig</i> - Neural models for multimodal multi-party dialogue analysis - I work on unsupervised pretraining for utterance representations in domains with little training data - Transfer Learning : Adapting dialogue act recognition models to new domains with related dialogue act ontologies
Aug'18 - Present	<b>Independent Study</b> , Language Technologies Institute, Carnegie Mellon University <i>Advisor: Prof. Zachary Lipton</i> - Robustness and Interpretability for neural reading comprehension models: I work on improving robustness of reading comprehension models to adversarially inserted distractor sentences
Aug'17 - Aug'18	<b>Graduate Research Assistant</b> , Language Technologies Institute, Carnegie Mellon University <i>Advisor: Prof. Justine Cassell</i> - <i>Dialogue management</i> for open-ended discussion : Association rule mining over dialogue acts to build a Bayes probabilistic dialogue policy - <i>Natural Language Generation</i> of age-appropriate arguments, hypotheses & questions using shallow dialogue history parsing and a retrofitted word vector space
July'16 - Aug'17	<b>Research Fellow</b> , Microsoft Research, Bangalore, India <i>Advisors: Dr. Raghavendra Uduapa, Dr. Prateek Jain</i> - Structured Learning for pseudo-relevance feedback based query expansion in information retrieval - Task-specific short document expansion using task-agnostic language features - Resource optimized Machine Learning for Internet of Things(IoT)

## SELECTED PUBLICATIONS

- Aditi Chaudhary, Bhargavi Paranjape, Michiel De Jong  
*Weighted Global Normalization for Multiple Choice Reading Comprehension over Long Documents*, arXiv
- Bhargavi Paranjape, Yubin Ge, Zhen Bai, Jessica Hammer, Justine Cassell  
*Towards Automatic Generation of Peer-targeted Science Talk in Curiosity-evoking Virtual Agent*  
18<sup>th</sup> ACM International Conference on Intelligent Virtual Agents(IVA 2018)
- Bhargavi Paranjape, Zhen Bai, Justine Cassell  
*Predicting the Temporal and Social Dynamics of Curiosity in Small Group Learning*  
18<sup>th</sup> International Conference on Artificial Intelligence in Education(AIED 2018)
- Vivek Gupta, Dheeraj Mekala, Bhargavi Paranjape, Harish Karnick  
*"SCDV : Sparse Composite Document Vectors using soft clustering over distributional representations"*  
Conference on Empirical Methods in Natural Language Processing (EMNLP 2017)

5. Chirag Gupta, Arun Sai Suggala, Ankit Goyal, Bhargavi Paranjape, Manik Varma, Prateek Jain  
“*ProtoNN: Compressed and Accurate kNN for Resource-scarce Devices*”  
International Conference on Machine Learning (**ICML 2017**)
6. Abhijnan Chakraborty, Bhargavi Paranjape, Sourya Kakarla, Niloy Ganguly  
“*Stop Clickbait: Detecting and Preventing Clickbaits in Online News Media*”  
Advances in Social Networks Analysis and Mining (**ASONAM 2016**)  
*Nominated for Best Paper and awarded **Best Student Paper***

## INTERNSHIPS

May'15 - July'15	<b>Summer Internship, Microsoft India Development Center</b> Cloud & Enterprise Division Extended the Service Level Agreement (SLA) feature of Microsoft Dynamics CRM 2015 Software
May'14 - July'14	<b>Summer Internship, Indian Institute of Technology, Bombay</b> <i>Data Acquisition System, Project Ekalavya</i> <b>Advisor:</b> Prof. D. B. Phatak Developed an affordable plug-n-play Sensor Data Acquisition System (DAQ) for science laboratories in public schools and colleges in India