

# Yogarshi Vyas

Department of Computer Science, University of Maryland

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RESEARCH INTERESTS      Multilingual NLP, Semantics, Machine Translation, Deep and Representation Learning

EDUCATION      **University of Maryland, College Park, MD USA      September, 2014 - expected 2019**  
**Degree:** Ph.D., Computer Science  
**Advisor:** Marine Carpuat  
**GPA:** 3.97/4.0

**University of Maryland, College Park, MD USA      September, 2014 - December, 2016**  
**Degree:** M.S., Computer Science  
**Advisor:** Marine Carpuat  
**GPA:** 3.97/4.0

**Indian Institute of Technology, Kharagpur, India      July, 2010 - May, 2014**  
**Degree:** B.Tech. (Hons.), Computer Science and Engineering  
**Advisor:** Niloy Ganguly  
**GPA:** 9.23/10.0

HONORS AND AWARDS      

- Outstanding Reviewer, COLING 2018
- Adam Kilgarriff Best Paper Award, \*SEM 2017
- Jacob K. Goldhaber & ICSSA Grants to attend ACL 2017 (from UMD)
- Dean's Fellowship, University of Maryland, 2014-16
- Inlaks Award for Excellence at the Indian Institutes of Technology (IIT), 2011-14

CONFERENCE PAPERS      

- Identifying Semantic Divergences in Parallel Text without Annotations  
*Yogarshi Vyas, Xing Niu, Marine Carpuat*  
**NAACL 2018**, Full Paper
- Robust Cross-lingual Hypernymy Detection using Dependency Context  
*Shyam Upadhyay\*, Yogarshi Vyas\*, Marine Carpuat, Dan Roth*  
**NAACL 2018**, Full Paper
- Detecting Asymmetric Semantic Relations in Context : A Case Study on Hypernymy Detection  
*Yogarshi Vyas, Marine Carpuat*  
**\*SEM 2017**, Full Paper, **Adam Kilgarriff Best Paper Award**
- The Amazing Mysteries of the Gutter: Drawing Inferences Between Panels in Comic Book Narratives  
*Mohit Iyyer, Varun Manjunatha, Anupam Guha, Yogarshi Vyas, Jordan Boyd-Graber, Hal Daumé III, Larry Davis*  
**CVPR 2017**, Full Paper (Spotlight)
- Sparse Bilingual Word Representations for Cross-lingual Lexical Entailment  
*Yogarshi Vyas, Marine Carpuat*  
**NAACL 2016**, Full Paper

- Class-Based N-gram Language Difference Models for Data Selection  
*Amitai Axelrod, **Yogarshi Vyas**, Marianna Martindale, Marine Carpuat*  
**IWSLT 2015**, Full Paper
- POS Tagging of English-Hindi Code-Mixed Social Media Content  
***Yogarshi Vyas**, Spandana Gella, Jatin Sharma, Kalika Bali, Monojit Choudhury*  
**EMNLP 2014**, Short Paper
- Improving Unsupervised Query Segmentation using Parts-of-Speech Sequence Information  
*Rishiraj Saha Roy, **Yogarshi Vyas**, Niloy Ganguly, Monojit Choudhury*  
**SIGIR 2014**, Short Paper

WORKSHOP AND  
SYSTEM PAPERS

- Detecting Cross-Lingual Semantic Divergence for Neural Machine Translation  
*Marine Carpuat, **Yogarshi Vyas**, Xing Niu*  
1st Workshop on Neural Machine Translation (and Generation), ACL 2017
- The UMD Machine Translation Systems at IWSLT 2015  
*Amitai Axelrod, Ahmed Elgohary, Marianna Martindale, Khanh Nguyen, Xing Niu, **Yogarshi Vyas**, Marine Carpuat*  
Proceedings of **IWSLT 2015**
- Word-level Language Identification using CRF: Code-switching Shared Task Report of MSR India System  
*Gokul Chittaranjan, **Yogarshi Vyas**, Kalika Bali, Monojit Choudhury*  
First Workshop on Computational Approaches to Code Switching, **EMNLP 2014**
- "I am borrowing ya mixing?" An Analysis of English-Hindi Code Mixing in Facebook  
*Kalika Bali, Jatin Sharma, Monojit Choudhury, **Yogarshi Vyas***  
First Workshop on Computational Approaches to Code Switching, **EMNLP 2014**

MANUSCRIPTS

- Parser for Abstract Meaning Representation using Learning to Search  
***Yogarshi Vyas**<sup>\*</sup>, Sudha Rao<sup>\*</sup>, Hal Daumé III, Philip Resnik*  
arXiv:1510.07586, 2015 (preprint)

INTERNSHIPS

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| <p><b>Amazon AI</b>, New York City, USA<br/> <b>Mentors</b> : Yaser Al-Onizan, Georgiana Dinu, Rishita Anubhai<br/> <b>Topic</b> : Cross-lingual Named Entity Recognition</p>        | <p><b>May, 2018 - August, 2018</b></p>  |
| <p><b>Google</b>, New York City, USA<br/> <b>Mentor</b> : Jagadeesh Jagarlamudi<br/> <b>Topic</b> : Entity-to-entity similarity using Wikipedia</p>                                  | <p><b>June, 2017 - August, 2017</b></p> |
| <p><b>Microsoft Research</b>, Bangalore, India<br/> <b>Mentors</b> : Monojit Choudhury, Kalika Bali<br/> <b>Topic</b> : Hindi English code-switching/code-mixing in social media</p> | <p><b>May, 2014 - July, 2014</b></p>    |
| <p><b>Microsoft Research</b>, Bangalore, India<br/> <b>Mentor</b> : Monojit Choudhury<br/> <b>Topic</b> : Unsupervised part-of-speech induction on query logs</p>                    | <p><b>May, 2013 - July, 2013</b></p>    |

INVITED TALKS AND 10/17 : Machine Learning and Friends Lunch, University of Massachusetts, Amherst  
 POSTERS 06/17 : Google NLU Summit, New York City

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\* Indicates equal contribution

