Nitish Gupta

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Employment

July 2021 – **Research Scientist**, *Google AI, New York City*

Education

2015-2021 **Ph.D., Computer Science**
University of Pennsylvania, Philadelphia, PA
(Transferred from University of Illinois Urbana-Champaign in 2017)
Title: "Learning to Compositionally Reason over Natural Language"
Advisor: Prof. Dan Roth

2015 **B.Tech-M.Tech Dual Degree, Electrical Engineering**
Indian Institute of Technology (IIT) Kanpur, India
Advisor: Prof. Harish Karnick

Awards

2015 - 2016 **Computer Science Excellence Fellowship**, University of Illinois Urbana-Champaign

2015 **Grand Prize Winner**, Yelp Dataset Challenge, Round 4. *Collective Factorization for Relational Data: An Evaluation on the Yelp Datasets. Nitish Gupta and Sameer Singh.*

Past Employments

Oct - Dec 2020 **Research Intern**, *Allen Institute for AI (AI2), Seattle with Matt Gardner*
May - Aug 2019 **Research Intern**, *Google Research, New York with Tom Kwiatkowski*
May - Aug 2017 **Research Intern**, *Facebook AI Research, Palo Alto with Mike Lewis*
May - Aug 2016 **Software Engineering Intern**, *Google Inc, Mountain View with Tania Bedrax-Weiss*
May - July 2014 **Visiting Scholar**, *University of Washington, Seattle with (late) Prof. Vikram Jandhyala*
May - July 2013 **Undergraduate Intern**, *Philips Healthcare, Bangalore with Srinivas Kudavelly*
May - July 2012 **Undergraduate Research Intern**, *MPI-Inf, Germany with Prof. Kurt Mehlhorn*

Publications

ACL 2021 Enforcing Consistency in Weakly Supervised Semantic Parsing. **Nitish Gupta**, Sameer Singh, Matt Gardner

ICLR 2020 Neural Module Networks for Reasoning over Text. **Nitish Gupta**, Kevin Lin, Dan Roth, Sameer Singh, Matt Gardner.

ACL 2020 Obtaining Faithful Interpretations from Compositional Neural Networks. Sanjay Subramanian[*], Ben Bogin[*], **Nitish Gupta**[*], Tomer Wolfson, Sameer Singh, Jonathan Berant, Matt Gardner.

ACL 2020 Overestimation of Syntactic Representation in Neural Language Models. Jordan Kodner, **Nitish Gupta**.

Findings of EMNLP 2020 Improving Compositional Generalization in Semantic Parsing. Inbar Oren, Jonathan Herzig[*], **Nitish Gupta**[*], Matt Gardner, and Jonathan Berant

Findings of EMNLP 2020 Evaluating NLP Models via Contrast Sets. Matt Gardner et al.
(with a group of 26 authors)

Findings of EMNLP 2020	What do we expect from multiple-choice QA Systems?. Krunal Shah, **Nitish Gupta**, Dan Roth.
AAAI 2020	Robust Named Entity Recognition with Truecasing Pretraining. Stephen Mayhew, **Nitish Gupta**, Dan Roth.
EMNLP 2018	Neural Compositional Denotational Semantics for Question Answering. **Nitish Gupta**, Mike Lewis.
EMNLP 2018	Joint Multilingual Supervision for Cross-lingual Entity Linking. Shyam Upadhyay, **Nitish Gupta**, Dan Roth.
EMNLP 2017	Entity Linking via Joint Encoding of Types, Descriptions, and Context. **Nitish Gupta**, Sameer Singh, Dan Roth.
COLING 2016	Revisiting the Evaluation for Cross Document Event Coreference. Shyam Upadhyay, **Nitish Gupta**, Christos Christodoulopoulos, Dan Roth.

Pre-prints

ArXiv Pre-print	Paired Examples as Indirect Supervision in Latent Decision Models. **Nitish Gupta**, Sameer Singh, Matt Gardner, Dan Roth.
Technical Report 2015	Collectively Embedding Multi-Relational Data for Predicting User Preferences. **Nitish Gupta**, Sameer Singh.
Technical Report 2013	Automatic Breast Lesion Segmentation and Scoring in Color Elastography Images. **Nitish Gupta**, Srinivas Kudavelly.

Professional Activities

2018 - 2019	**Organizer, CLunch** - Computational Linguistics Speaker Series at the University of Pennsylvania
	Reviewing: ACL (2018, 2019, 2020), NAACL (2018, 2019, 2020, 2021), EMNLP (2018, 2019, 2020, 2021), MRQA Workshop (2018, 2019), AKBC (2019, 2020, 2021), AAAI (2017, 2018), EACL (2017); Outstanding reviewer EMNLP 2020

Teaching

Spring 2019	**Teaching Assistant** CIS 700: Common-sense Reasoning
Spring 2018	**Teaching Assistant** CIS 530: Computational Linguistics
	Guest Lectures CIS 700 - Reasoning for NLP (Spring 2020), CIS 519 - Applied Machine Learning (Fall 2019), CIS 530 - Computational Linguistics (Spring 2018)