Nitish Gupta

+1 (847) 912 0112
gnnitish@gmail.com
https://nitishgupta.github.io

Research Interests

Natural Language Processing – Structured and Interpretable models for Question Answering, Semantic Parsing, Learning with weak supervision

Education

2015-2021 (expected)	**Ph.D., Computer Science** University of Pennsylvania, Philadelphia, PA (Transferred from University of Illinois Urbana-Champaign in 2017) Title: Compositional and Modular models for Reasoning over Text Advisor: Prof. Dan Roth Thesis Committee: Prof. Mitch Marcus, Prof. Luke Zettlemoyer (external), Prof. Lyle Ungar, Prof. Chris Callison-Burch
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.*

Publications

In submission	Paired Examples as Indirect Supervision in Latent Decision Models. **Nitish Gupta**, Sameer Singh, Matt Gardner, Dan Roth
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

<table>
<tr><td>Technical Report 2015</td><td>Collectively Embedding Multi-Relational Data for Predicting User Preferences. Nitish Gupta, Sameer Singh.</td></tr>
<tr><td>Technical Report 2013</td><td>Automatic Breast Lesion Segmentation and Scoring in Color Elastography Images. Nitish Gupta, Srinivas Kudavelly.</td></tr>
</table>

Employment

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

Professional Activities

<table>
<tr><td>2018 - 2019</td><td>Organizer, CLunch - Computational Linguistics Speaker Series at the University of Pennsylvania</td></tr>
<tr><td></td><td>Reviewing: ACL (2018, 2019, 2020), NAACL (2018, 2019), EMNLP (2018, 2019, 2020), MRQA Workshop (2018, 2019), AKBC (2019, 2020), AAAI (2017, 2018), EACL (2017)</td></tr>
</table>

Teaching

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