

Siddharth Vashishtha

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Education	University of Rochester , New York, USA <i>Ph.D.</i> , Computer Science Advisor: Aaron Steven White	2019 - Present
	University of Rochester , New York, USA <i>MS</i> , Computer Science	2019-2021
	University of Rochester , New York, USA <i>MS</i> , Computational Linguistics, CGPA: 3.96/4	2017-2019
	Indian Institute of Technology , Kharagpur, India <i>B.Tech (Hons.)</i> , Agricultural and Food Engineering <i>M.Tech</i> , Food Process Engineering	2009-2014
Technical Skills	Languages : Python (Proficient), R, SAS, SQL, Excel VBA Tools/Framework : PyTorch, MTurk, Docker, AWS, Pandas, Numpy, Sklearn Familiar : Lisp, C, Matlab, Javascript, HTML, CSS	
Industry Experience	Google , Mountain View, CA, USA <i>Research Intern</i> , with Rahul Goel and Waleed Ammar Worked with the Google Assistant's Semantic Parsing NLU team	May'22 - Aug'22
	Verneek AI , New York City, USA <i>Research Intern</i> , with Nasrin Mostafazadeh Worked on improving Natural Language Generation in a closed-domain setting	Jun'21 - Aug'21
	Amazon Alexa AI , Cambridge, USA <i>Applied Scientist Intern</i> , with Sarah Campbell and Ran Xue Worked remotely with Alexa AI NLU team on Cross Lingual Transfer Learning	May'20 - Aug'20
	EXL Services , Gurgaon, India <i>Senior Consultant, Consultant-II, Consultant-I</i> Worked on multiple projects with various retail banking clients on: report automation with SAS and Excel VBA (front-end and back-end), engineering features and developing models on customer data for mitigating risk in credit card portfolios	2014 - 2017
Publications	LOME: Large Ontology Multilingual Extraction Xia, P., G. Qin, S. Vashishtha , Y. Chen, T. Chen, C. May, C. Harman, K. Rawlins, A.S. White, and B. Van Durme. EACL 2021 (demo-paper)	
	Temporal Reasoning in Natural Language Inference Vashishtha, S. , A. Poliak, Y.K. Lal, B. Van Durme, A.S. White. Findings of EMNLP 2020 (short)	
	The Universal Compositional Semantics Dataset and Decomp Toolkit. White, A.S., E. Stengel-Eskin, S. Vashishtha , V. Govindarajan, D. Reisinger, T. Vieira, K. Sakaguchi, S. Zhang, F. Ferraro, R. Rudinger, K. Rawlins, B. Van Durme. LREC 2020	
	Improving Semantic Parsing using Statistical WSD (Student Abstract) Bose, R., S. Vashishtha , J. Allen. AAAI 2020	

[Fine-Grained Temporal Relation Extraction.](#)
Vashishtha, S., B. Van Durme, A.S. White.
ACL 2019 (long)

Research Experience	Graduate Researcher , FACTS Lab, Rochester, NY Advisor: Aaron Steven White	Feb'18 - Present
	Graduate Researcher , TRIPS Lab, Rochester, NY Advisor: James Allen	Jan'19 - May'19
Teaching Experience	CSC486: Computational Complexity , University of Rochester <i>Graduate Teaching Assistant</i> Instructor: Prof. Lane Hemaspaandra	Spring'21
	CSC446: Machine Learning , University of Rochester <i>Graduate Teaching Assistant</i> Instructor: Prof. Daniel Gildea	Spring'20
	Python Introduction Tutorials , University of Rochester <i>Sole Instructor</i> Conducted five 90-minute tutorials on Basic Text Processing in Python. (Github)	Sep'19
	CSC444: K.R. and Reasoning in AI , University of Rochester <i>Graduate Teaching Assistant</i> Instructor: Prof. Lenhart Schubert	Fall'18
Awards	All India Overall Champion, EXL Excellence Quotient 2013. Won first prize out of 15 IITs in EXL Excellence Quotient13 - PAN IIT decision analytics case study (A team of 2 members)	
Coursera Certifications	Neural Networks and Deep Learning, deeplearning.ai (URL)	Jan'18
	Algorithms, Design and Analysis, Part1, Stanford University (URL)	Oct'16
	Introduction to Natural Language Processing, University of Michigan (URL)	Sep'16
Relevant Coursework at Rochester	Machine Learning (CSC 446), Statistical Speech and Language Processing (CSC 448), Semantic Parsing (CSC 571), Natural Language Processing (CSC 447), Formal Semantics (LIN 465), Data Science for Linguistics (LIN 450), Logical Foundations of Artificial Intelligence (CSC 444), Intro to Cryptography (CSC 481).	
Professional Service	Primary Reviewer at: ACL 2020, ACL 2021, EMNLP 2021, ARR 2022	