# Sudha Rao

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CONTACT INFORMATION

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EDUCATION

**University of Maryland, College Park** Aug 2013 - Aug 2018
Ph.D. in Computer Science
**Focus**: Natural Language Processing
**Thesis**: Learning to Ask Clarification Questions
**Advisor**: Dr. Hal Daumé III

**University of Maryland, College Park** Aug 2013 - Dec 2015
Masters in Computer Science (GPA: 3.85/4.00)

**Veermata Jijabai Technological Institute, Mumbai** Aug 2007 - May 2011
Bachelor of Technology in Computer Engineering
(CPI: 9.4/10)

PUBLICATIONS

**Sudha Rao**, Hal Daumé III, "Are you asking the right questions? Teaching Machines to Ask Clarification Questions" *Proceedings of Student Research Workshop*, **ACL 2017** & *Proceedings of Workshop on Women & Underrepresented Minorities in NLP* **WiNLP 2017**

**Sudha Rao**, Daniel Marcu, Kevin Knight and Hal Daumé III, "Biomedical Event Extraction using Abstract Meaning Representation" *Proceedings of Workshop on Biomedical Natural Language Processing*, **ACL 2017**

Allyson Ettinger, **Sudha Rao**, Hal Daumé III, Emily M. Bender, "Towards Linguistically Generalizable NLP Systems: A Workshop and Shared Task" *Proceedings of the First Workshop on Building Linguistically Generalizable NLP systems*, **EMNLP 2017**

**Sudha Rao**, Yogarshi Vyas, Hal Daume III, and Philip Resnik, "Parser for Abstract Meaning Representation using Learning to Search", *Proceedings of Workshop on Meaning Representation Parsing*, **NAACL 2016**

**Sudha Rao**, Allyson Ettinger, Hal Daumé III, and Philip Resnik, "Dialogue focus tracking for zero pronoun resolution", *Proceedings of* **NAACL 2015**

WORK EXPERIENCE

**Grammarly, New York** June 2017 - August 2017
*Research Intern (Mentor: Joel Tetreault)*
Implemented models for style transfer in text.

**Microsoft Research, Redmond** June 2016 - August 2016
*Research Intern (Mentor: Paul Mineiro)*
Developed neural network based conversational models

**Information Science Institute (ISI), USC** June 2016 - August 2016
*Research Intern (Mentors: Daniel Marcu & Kevin Knight)*
Event extraction using semantic representation

**NVIDIA Graphics Pvt. Ltd, Pune** July 2011 - April 2013
*System Software Engineer*
Designed and implemented a test infrastructure for Tegra Driver on varied mobile operating systems and platforms.

**Microsoft India Development Center Hyderabad** May 2010 - July 2010
*Software Development Engineer - Intern*
Worked on Data Protection Management.

TEACHING EXPERIENCE

CMSC 726 - **Machine Learning** Spring 2016
CMSC 422 - **Computer Systems Architecture** Fall 2015
CMSC 131 - **Object Oriented Programming** Fall 2013

HONOUR & AWARD

Recipient of **Language Science Fellowship** (an NSF funded fellowship) at UMD.
Scholarship to attend the **Grace Hopper Celebration** conference 2014 & 2015.
Recipient of **Dean's Fellowship** at University of Maryland, College Park.
Scholarship to attend the **Women in Theory** conference 2012 at Princeton.

TECHNICAL SKILLS

**Programming Language**: Python, Java, C++, Matlab
**Deep Learning toolkit**: Keras, Lasagne, Pytorch

SERVICE

**Organizer**

**EMNLP Workshop**: Building Linguistically Generalizable NLP systems, 2017
With Hal Daumé III, Emily Bender, Allyson Ettinger

**Winter Storm**, Language Science Center, UMD, 2016

**NAACL Tutorial**: Hands-on Learning to Search for Structured Prediction, 2015.
With Hal Daumé III, John Lanford, Kai-Wei Chang and Sudha Rao.

**Language Science Day**, Language Science Center, UMD, 2015 & 2017