

Shrimai Prabhumoye

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EDUCATION

- AUG 2017- Present PhD in LANGUAGE TECHNOLOGIES INSTITUTE
School of Computer Science, Carnegie Mellon University
Advisors: [Prof. Alan W Black](#) and [Prof. Ruslan Salakhutdinov](#)
- AUG 2015- Aug 2017 Master of Language Technologies, LANGUAGE TECHNOLOGIES INSTITUTE
School of Computer Science, Carnegie Mellon University
- AUG 2010- May 2014 Bachelor of Technology in INFORMATION TECHNOLOGY
National Institute of Technology(NIT) Karnataka, Surathkal

RESEARCH AREAS

Natural Language Generation, Human Language Technologies, Artificial Intelligence

WORK EXPERIENCE AND INTERNSHIPS

- MAY 2020-AUG 2020 Research Intern, Salesforce Research, Palo Alto.
Mentor: [Kazuma Hashimoto](#)
- MAY 2019-AUG 2019 Research Intern, Facebook AI Research, NYC.
Mentor: [Jason Weston](#)
- MAY 2018-AUG 2018 Research Intern, Microsoft Research, Redmond.
Mentors: [Michel Galley](#) and [Chris Quirk](#)
- JUN 2014-JUN 2015 Analyst, Goldman Sachs, Bangalore. *Compute Platform Engineer Team*
- JUN 2013-JUL 2013 Intern, Goldman Sachs, Bangalore. *Compute Platform Engineer Team*
- DEC 2012 Intern, Indian Institute of Technology (IIT), Bombay, India.
- MAY 2012-JUN 2012 Intern, Indian Institute of Sciences (IISc), Bangalore, India.

SCHOLARSHIPS AND AWARDS

- NOV 2016 **Amazon Alexa Prize Scholarship**
Received sponsorship of \$100,000 for development effort.
- 2016-2017 **Robert Bosch Research Fellowship**
Covers Tuition (\$45,000) and stipend.
- MAR 2016 **Sir Dorabji Tata Trust scholarship** for higher studies
Received highest amount of INR 1,000,000 as a gift scholarship.
- 2015-2016 **Masters Research Fellowship** from Carnegie Mellon University
Covers Tuition (\$45,000) and stipend.
- MAY 2015 **J. N. Tata Scholarship** from [J. N. Tata Endowment](#).
Received the highest amount possible INR 600,000.

PUBLICATIONS

16. **Shrimai Prabhumoye**, Alan W Black, Ruslan Salakhutdinov. [Exploring Controllable Text Generation Techniques](#). *Conference on Computational Linguistics (COLING)*, 2020.
15. **Shrimai Prabhumoye**, Ruslan Salakhutdinov, Alan W Black. [Topological Sort for Sentence Ordering](#). *Association for Computational Linguistics Conference (ACL)*, 2020.
14. Aman Madaan, Amrith Setlur, Tanmay Parekh, Barnabas Poczoz, Graham Neubig, Yiming Yang, Ruslan Salakhutdinov, Alan W Black, **Shrimai Prabhumoye**. [Politeness Transfer: A Tag and Generate Approach](#). *Association for Computational Linguistics Conference*, 2020.
13. **Shrimai Prabhumoye***, Margaret Li*, Jack Urbanek, Emily Dinan, Douwe Kiela, Jason Weston, Arthur Szlam. [I love your chain mail! Making knights smile in a fantasy game world](#). *Wordplay Workshop, NeurIPS 2020*

12. Angela Fan, Jack Urbanek, Pratik Ringshia, Emily Dinan, Emma Qian, Siddharth Karamcheti, **Shrimai Prabhumoye** et. al. [Generating Interactive Worlds with Text](#). In *Thirty-Fourth AAAI Conference on Artificial Intelligence*.
11. **Shrimai Prabhumoye**, Elijah Mayfield, Alan W Black. [Principled Frameworks for Evaluating Ethics in NLP Systems](#). *Widening NLP Workshop at ACL, 2019*.
10. **Shrimai Prabhumoye***, Khyathi Chandu*, Ruslan Salakhutdinov, Alan W Black. [“My Way of Telling a Story”: Persona based Grounded Story Generation](#). *Storytelling Workshop at Association for Computational Linguistics (ACL), 2019*.
9. Elijah Mayfield, Michael Madaio, **Shrimai Prabhumoye**, David Gerritsen, Brittany McLaughlin, Ezekiel Dixon-Roman, Alan W Black. [An Equity Agenda for Language Technologies in Education](#). *Workshop on Innovative Use of NLP for Building Educational Applications at ACL, 2019*.
8. **Shrimai Prabhumoye**, Chris Quirk, Michel Galley. [Towards Content Transfer through Grounded Text Generation](#). *North American Chapter of Association for Computational Linguistics Conference (NAACL), 2019*.
7. **Shrimai Prabhumoye**, Yulia Tsvetkov, Ruslan Salakhutdinov, Alan W Black. [Style Transfer Through Back-Translation](#). *Association for Computational Linguistics Conference, 2018*.
6. Kangyan Zhou, **Shrimai Prabhumoye**, Alan W Black. [A Dataset for Document Grounded Conversations](#). *Conference on Empirical Methods in Natural Language Processing, 2018*.
5. **Shrimai Prabhumoye**. [The What, How and Ethics of Conversational Agents](#). *Young Researcher’s Roundtable for Spoken Dialogue Systems, 2018*.
4. **Shrimai Prabhumoye**, Samridhi Choudhary, Evangelia Spiliopoulou, Christopher Bogart, Carolyn P. Rose, Alan W Black. [Linguistic Markers of Influence in Informal Interactions](#). *Workshop on Natural Language Processing and Computational Social Science, ACL 2017*.
3. **Shrimai Prabhumoye**, et. al. [Building CMU Magnus from User Feedback](#). *Alexa Prize 2017*
2. **Shrimai Prabhumoye**, Piyush Rai, Loverose S. Sandhu, Priya L, Sowmya Kamath S. [Automated Query Analysis Techniques for Semantics based Question Answering System](#). *Fourth International Conference on Recent Trends in Information Technology [ICRTIT-2014]*.
1. Piyush Rai, **Shrimai Prabhumoye**, Pranay Khattri, Loverose S. Sandhu, Sowmya Kamath S. [A prototype of an Intelligent Search Engine using Machine Learning based Training for Learning to Rank](#). *Second International Conference on Advance Computing, Networking and Informatics [ICACNI 2014]*. Smart Innovation, Systems and Technologies.

TEACHING ACTIVITIES

- Teaching Assistant** [Computational Ethics for NLP](#), Spring 2018, CMU.
Speech Processing, Fall 2017, CMU.
- Guest Lectures:** “Style Transfer”, *Machine Translation and Sequence-to-sequence Models* Carnegie Mellon University, Fall 2018.
“[Ethics in Conversational Agents](#)”, *Computational Ethics in NLP* Carnegie Mellon University, Spring 2018, Spring 2019 & Spring 2020.
“[Chatbots](#)”, *Speech Processing* Carnegie Mellon University, Fall 2017, Fall 2018 & Fall 2019
“[Neural Dialog](#)”, *Speech Processing* Carnegie Mellon University, Fall 2017, Fall 2018 & Fall 2019
“[Building an Alexa Skill](#)”, *Speech Processing* Carnegie Mellon University, Fall 2017 & Fall 2019.
“[Building an Alexa Skill](#)”, *Chatting with Computers Workshop* OurCS, Carnegie Mellon University, Fall 2017.

MENTORED STUDENTS

Xuewei Wang (MCDS student, CMU)

Project Name: Intent based Dialogue Generation

Aman Madaan, Amrith Setlur, Tanmay Parekh (MLT students, CMU)

Project Name: Politeness Transfer: A Tag and Generate Approach

Mukul Bhutani (MLT student, CMU)

Project Name: Style transfer for downstream tasks

Kangyan Zhou (MIIS student, CMU)

Project Name: A Dataset for Document Grounded Generation

PROFESSIONAL ACTIVITIES

- Workshops** Organizing committee of NLP for Positive Impact workshop at ACL 2021
Organizer and Team Leader, *Chatting with Computers* at OurCS 2017.
OurCS workshop inspires female undergraduate students to pursue graduate studies by introducing them to research.
Co-organizer, *The Conversational Intelligence Challenge* at NIPS 2017, 2018.
- Invited Talks** “*Exploring Controllable Text Generation Techniques*” at COLING 2020
“*Text Generation: Should machines reflect the way humans interact in society?*” at Grace Hopper Conference 2020
“*Controllable Text Generation: Should machines reflect the way humans interact in society?*” at AI2, Apple, MILA, Salesforce,
Deep Learning: Classics and Trends in 2020
“*Controlling style, content and structure in Natural Language Generation*” at Google, June 2019; University of Massachusetts Amherst, Oct 2019.
“*Towards Content Transfer Through Grounded Text Generation*” at NAACL, June 2019.
“*Style Transfer Through Back-Translation*” at ACL, July 2018.
“*Conversational Agents*” at Apple, April 2018.
“*Structure in Dialog*” at CMU, May 2017.
- Reviewing** Empirical Methods in Natural Language Processing (EMNLP), 2018 & 2020 (**Outstanding reviewer**).
Conference on Neural Information Processing Systems (NeurIPS), 2019 & 2020.
Association for Computational Linguistics (ACL), 2019 & 2020.
North American Chapter of ACL (NAACL), 2019.
International Conference on Natural Language Generation (INLG), 2019
LTI Student Research Symposium, 2019

EXTRA-CURRICULAR ACTIVITIES

- Organizer of the CMU SCS Graduate Application Support Program in 2020 which helped students from minority communities with their graduate application process.
- Representative of Graduate Student Association ([GSA](#)) from LTI, CMU for 2015-2016.
- Member of the External Affairs Committee at GSA, CMU.
- President of Artist Forum in NIT Karnataka for the academic year 2013-2014.
- Executive member of the TEDX committee for TEDX NIT Karnataka, 2012.
- Executive member of Indian Society for Technical Education, NIT Karnataka from 2011-2014.
- Executive member of Socially Conscious Engineer committee, Engineer, NIT Karnataka 2011.