

SWETA AGRAWAL

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EDUCATION

- Ph.D. in Computer Science** August 2018 - Present
University of Maryland, College Park (CGPA: **3.94**/4.0)
Advisor: Marine Carpuat
- Masters in Computer Science** August 2018 - May 2020
University of Maryland, College Park (CGPA: **3.94**/4.0)
Advisor: Marine Carpuat
- Bachelor of Technology in Computer Science and Engineering** July 2013 - May 2017
Indian Institute of Technology Guwahati (CGPA: **9.30**/10.0)
Advisor: Amit Awekar

EXPERIENCE

- Research Intern**, Meta Research June 2022 - December 2022
- Research Intern**, Google Montreal June 2021 - December 2021
- Research Intern**, Google Montreal June 2020 - December 2020
- Member of Technical Staff**, Adobe Systems, Noida, India June 2017 - July 2018
- Research Intern**, Adobe Systems, Bangalore, India May 2016 - July 2016
- Research Intern**, Summer Research Fellowship Program, IIT Kanpur May 2015 - July 2015

PUBLICATIONS

- [1] **Sweta Agrawal**, Chunting Zhou, Mike Lewis, Luke Zettlemoyer, and Marjan Ghazvininejad. *In-context Examples Selection for Machine Translation*. arXiv preprint (2022).
- [2] **Sweta Agrawal**, Julia Kreutzer and Colin Cherry. *Exploring the Benefits and Limitations of Multilinguality for Non-autoregressive Machine Translation*. WMT 2022.
- [3] **Sweta Agrawal**, Nikita Mehandru, Niloufar Salehi, and Marine Carpuat. *Quality Estimation via Backtranslation at the WMT 2022 Quality Estimation Task*. WMT 2022.
- [4] **Sweta Agrawal** and Marine Carpuat. *An Imitation Learning Curriculum for Text Editing with Non-Autoregressive Models*. ACL 2022.
- [5] **Sweta Agrawal**, Weijia Xu and Marine Carpuat. *A Non-Autoregressive Edit-Based Approach to Controllable Text Simplification*. Findings of ACL 2021.
- [6] **Sweta Agrawal**, George Foster, Markus Freitag and Colin Cherry. *Assessing Reference-Free Peer Evaluation for Machine Translation*. NAACL 2021.
- [7] **Sweta Agrawal** and Marine Carpuat. *Generating Diverse Translations via Weighted Fine-tuning and Hypotheses Filtering for the Duolingo STAPLE Task*. WNGT 2020.
- [8] **Sweta Agrawal** and Marine Carpuat. *Controlling Text Complexity in Neural Machine Translation*. EMNLP-IJCNLP 2019.
- [9] **Sweta Agrawal** and Amit Awekar. *Deep learning for detecting cyberbullying across multiple social media platforms*. ECIR 2018.

PUBLICATIONS (CONT.)

- [10] Weijia Xu, **Sweta Agrawal**, Eleftheria Briakou, Marianna J. Martindale, and Marine Carpuat. *Understanding and Detecting Hallucinations in Neural Machine Translation via Model Inspection*. To appear in TACL 2023.
- [11] Elijah Rippeth, **Sweta Agrawal** and Marine Carpuat. *Controlling Translation Formality Using Pre-trained Multilingual Language Models*. IWSLT 2022.
- [12] Nikita Mehandru, **Sweta Agrawal**, Niloufar Salehi and Marine Carpuat. *Evaluating the Quality of Machine Translation in Medical Settings*. 2nd HCI+NLP Workshop, NAACL 2022.
- [13] Eleftheria Briakou, **Sweta Agrawal**, Joel Tetreault and Marine Carpuat. *Evaluating the Evaluation Metrics for Style Transfer: A Case Study in Multilingual Formality Transfer*. EMNLP 2021.
- [14] Eleftheria Briakou, **Sweta Agrawal**, Ke Zhang, Joel Tetreault and Marine Carpuat. *A Review of Human Evaluation for Style Transfer*. GEM 2021.
- [15] Ankur Garg, Sunav Choudhary, Payal Bajaj, **Sweta Agrawal**, Abhishek Kedia, and Shubham Agarwal, *Smart Geo-Fencing Using Location Sensitive Product Affinity*, **ACM SIGSPATIAL**, 2017.

PATENTS

- [1] Chetan Nanda, **Sweta Agrawal**, Ramesh P B, *Temporal Color Correction using Machine Learning*, USPTO.
- [2] Ankur Garg, **Sweta Agrawal**, Payal Bajaj, Abhishek Kedia, and Shubham Agarwal, *Smart Geo-Fencing Using Location Sensitive Product Affinity*, USPTO.

TEACHING EXPERIENCE

Graduate Courses	Artificial Intelligence Planning (Spring 2020), Multilingual Natural Language Processing (Spring 2021)
Undergraduate Courses	Natural Language Processing (Fall 2018), Deep Learning (Spring 2019), Data Science (Fall 2020)

ACADEMIC SERVICE

Reviewer	ARR 2021-22; ACL 2021-23; EMNLP 2020-22; NAACL 2022
Program Committee	SPNLP 2020; TSAR 2022; W-NUT 2020-22
Organizer	Formality Shared Task 2023; MASC-SLL 2022
Mentor	Technica 2022

FELLOWSHIP AND AWARDS

Ann G. Wylie Dissertation Fellowship 2023
Jacob K. Goldhaber Travel Grant 2019