

Graduate Assessment: Milestone 1

CMSC 673 — Natural Language Processing

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Background work to decide which milestone:

I am interested in both the milestones i.e. Paper and Implementation tracks. Initially, I was planning to take implementation task, but based on the future aspects and goals, I may consider master's Thesis, that's why I have decided to take the paper track. In the paper track, I have selected Natural Language Generation because I want to study and learn more regarding the generative AI task. With the help of this topic, I can leverage more on my knowledge which will enhance my skills.

Natural Language Generation

Papers referred:

- Tatsuya Ishigaki, Goran Topic, Yumi Hamazono, Hiroshi Noji, Ichiro Kobayashi, Yusuke Miyao, and Hiroya Takamura. 2021. [Generating Racing Game Commentary from Vision, Language, and Structured Data](#). In *Proceedings of the 14th International Conference on Natural Language Generation*, pages 103–113, Aberdeen, Scotland, UK. Association for Computational Linguistics.
- Jingqiang Chen and Hai Zhuge. 2018. [Abstractive Text-Image Summarization Using Multi-Modal Attentional Hierarchical RNN](#). In *Proceedings of the 2018 Conference on Empirical Methods in Natural Language Processing*, pages 4046–4056, Brussels, Belgium. Association for Computational Linguistics.
- Chris Callison-Burch, Gaurav Singh Tomar, Lara Martin, Daphne Ippolito, Suma Bailis, and David Reitter. 2022. [Dungeons and Dragons as a Dialog Challenge for Artificial Intelligence](#). In *Proceedings of the 2022 Conference on Empirical Methods in Natural Language Processing*, pages 9379–9393, Abu Dhabi, United Arab Emirates. Association for Computational Linguistics.
- Ramesh Nallapati, Bowen Zhou, Cicero dos Santos, Çağlar Gülçehre, and Bing Xiang. 2016. [Abstractive Text Summarization using Sequence-to-sequence RNNs and Beyond](#). In *Proceedings of the 20th SIGNLL Conference on Computational Natural Language Learning*, pages 280–290, Berlin, Germany. Association for Computational Linguistics.

- Sebastian Gehrmann, Zachary Ziegler, and Alexander Rush. 2019. [Generating Abstractive Summaries with Finetuned Language Models](#). In *Proceedings of the 12th International Conference on Natural Language Generation*, pages 516–522, Tokyo, Japan. Association for Computational Linguistics.
- Prithviraj Ammanabrolu, Ethan Tien, Wesley Cheung, Zhaochen Luo, William Ma, Lara Martin, and Mark Riedl. 2019. [Guided Neural Language Generation for Automated Storytelling](#). In *Proceedings of the Second Workshop on Storytelling*, pages 46–55, Florence, Italy. Association for Computational Linguistics.