Reinald Kim Amplayo

Ph.D. Student
University of Edinburgh
ILCC, School of Informatics
Edinburgh, UK

reinald.kim@ed.ac.uk
https://rktamplayo.github.io/

Education

University of Edinburgh, Edinburgh, UK   2018–2022
Ph.D. in Informatics
Thesis: Opinion Summarization of Multiple Reviews: Data Synthesis and Modeling
Advisor: Mirella Lapata

Yonsei University, Seoul, Korea   2016–2018
M.A. Library and Information Science (GPA: 4.2/4.3)
Thesis: Generative Models for Unsupervised Sense Disambiguation
Advisor: Min Song

Ateneo de Davao University, Davao City, Philippines   2009–2014
Units in Computer Science and Mathematics (WPA: 97.2/100)
B.S. Information Technology (WPA: 93.7/100)
Thesis: Automated Essay Grading using Reflective Random Indexing
Advisor: Dominique Cimafranca

Employment

Research Scientist   2022-current
Google DeepMind (formerly Google Brain)

Visiting Researcher   2021
AI Lab, NAVER Clova

Research Intern   2020
Brain, Google Research

Student Researcher   2017-2018
Data Intelligence Lab, Yonsei University

Lecturer   2013
Ateneo de Davao University

Awards

Google PhD Fellowship ($180,000)   2019–2022

Principal's Career Development Scholarship, University of Edinburgh (∼$140,000)	2018–2021
(Terminated midway and accepted the Google PhD Fellowship)	
Edinburgh Global Research Scholarship, University of Edinburgh	2018–2021
Best Student Paper Runnerup, ACML	2018
ACL Walker Fund, ACL	2018
Korean Government Scholarship Program Award, NIIED (∼$40,000)	2015–2018
Computer Science Department Award, Ateneo de Davao University	2013
Outstanding Thesis Award, Ateneo de Davao University	2013

Publications

CONFERENCE AND JOURNAL ARTICLES

1. **RK Amplayo**, PJ Liu, Y Zhao, and S Narayan. Smart: Sentences as basic units for text evaluation. In *ICLR*, 2023.

2. **RK Amplayo**, K Webster, M Collins, D Das, and S Narayan. Query refinement prompts for closed-book long-form question answering. In *ACL*, 2023.

3. S Narayan, J Maynez, **RK Amplayo**, K Ganchev, A Louis, F Huot, A Sandholm, D Das, and M Lapata. Conditional generation with a question-answering blueprint. *TACL*, 2023.

4. F Huot, J Maynez, S Narayan, **RK Amplayo**, K Ganchev, AP Louis, A Sandholm, D Das, and M Lapata. Text-blueprint: An interactive platform for plan-based conditional generation. In *EACL Demo*, 2023.

5. **RK Amplayo**, KM Yoo, and SW Lee. Attribute injection for pretrained language models: A new benchmark and an efficient method. In *COLING*, 2022.

6. YJ Kim, Bw Kwak, Y Kim, **RK Amplayo**, Sw Hwang, and J Yeo. Modularized transfer learning with multiple knowledge graphs for zero-shot commonsense reasoning. In *NAACL*, 2022.

7. **RK Amplayo**, A Brazinskas, Y Suhara, X Wang, and B Liu. Beyond opinion mining: Summarizing opinions of customer reviews. In *SIGIR Tutorial*, 2022.

8. **RK Amplayo**, S Angelidis, and M Lapata. Aspect-controllable opinion summarization. In *EMNLP*, 2021.

9. **RK Amplayo** and M Lapata. Informative and controllable opinion summarization. In *EACL*, 2021.

10. **RK Amplayo**, S Angelidis, and M Lapata. Unsupervised opinion summarization with content planning. In *AAAI*, 2021.

11. S Angelidis, **RK Amplayo**, Y Suhara, X Wang, and M Lapata. Extractive opinion summarization in quantized transformer spaces. *TACL*, 2020.

12. J Kim, S Choi, **RK Amplayo**, and Sw Hwang. Retrieval-augmented and controllable review generation. In *COLING*, 2020.

13. B Li, T Kim, **RK Amplayo**, and F Keller. Heads-up! unsupervised constituency parsing via self-attention heads. In *AACL*, 2020.

14. **RK Amplayo** and M Lapata. Unsupervised opinion summarization with noising and denoising. In *ACL*, 2020.

15. **RK Amplayo**, S Lim, and Sw Hwang. Text length adaptation in sentiment classification. In *ACML*, 2019.

16. **RK Amplayo**. Rethinking attribute representation and injection for sentiment classification. In *EMNLP-IJCNLP*, 2019.

17. J Kim, **RK Amplayo**, K Lee, S Sung, M Seo, and Sw Hwang. Categorical metadata representation for customized text classification. *TACL*, 7:201–215, 2019.

18. **RK Amplayo**, Sw Hwang, and M Song. AutoSense model for word sense induction. In *AAAI*, volume 33, 2019.

19. M Cho, **RK Amplayo**, Sw Hwang, and J Park. Adversarial TableQA: Attention supervision for question answering on tables. In *ACML*, 2018.

20. **RK Amplayo**, J Kim, S Sung, and Sw Hwang. Cold-start aware user and product attention for sentiment classification. In *ACL*, 2018.

21. **RK Amplayo**, K Lee, J Yeo, and SW Hwang. Translations as additional contexts for sentence classification. In *IJCAI*, 2018.

22. **RK Amplayo**, S Lim, and Sw Hwang. Entity commonsense representation for neural abstractive summarization. In *NAACL*, 2018.

23. J Yeo, G Lee, G Wang, S Choi, H Cho, **RK Amplayo**, and Sw Hwang. Visual choice of plausible alternatives: An evaluation of image-based commonsense causal reasoning. In *LREC*, 2018.

24. **RK Amplayo**, S Lee, and M Song. Incorporating product description to sentiment topic models for improved aspect-based sentiment analysis. *Information Sciences*, 454:200–215, 2018.

25. **RK Amplayo**, S Hong, and M Song. Network-based approach to detect novelty of scholarly literature. *Information Sciences*, 422:542–557, 2018.

26. **RK Amplayo** and Sw Hwang. Aspect sentiment model for micro reviews. In *ICDM*, 2017.

27. **RK Amplayo** and M Song. An adaptable fine-grained sentiment analysis for summarization of multiple short online reviews. *Data & Knowledge Engineering*, 110:54–67, 2017.

PREPRINTS AND WORKSHOP PAPERS

28. **RK Amplayo**, Sw Hwang, and M Song. Evaluating research novelty detection: Counterfactual approaches. In *Workshop on Graph-Based Methods for Natural Language Processing*, 2019.

29. C Park, J Kim, Hg Lee, **RK Amplayo**, H Kim, J Seo, and C Lee. ThisIsCompetition at SemEval-2019 Task 9: BERT is unstable for out-of-domain samples. In *International Workshop on Semantic Evaluation*, 2019.

30. **RK Amplayo** and M Song. Building content-driven entity networks for scarce scientific literature using content information. In *Workshop on Building and Evaluating Resources for Biomedical Text Mining*, 2016.

Teaching

1. Teaching Assistant | University of Edinburgh   2019
   Informatics MSc Dissertation

2. Lecturer | Ateneo de Davao University   2013–2014
   Competitive Programming
   Data Structures and Algorithms
   Discrete Structures
   Introduction to Computer Programming
   Database Systems

Professional Service

CONFERENCE REVIEWING

Annual Meeting of the Association for Computational Linguistics (ACL)   2019–

Empirical Methods in Natural Language Processing (EMNLP)   2019–

International Conference on Machine Learning (ICML)   2020–

International Conference on Learning Representations (ICLR)   2021–

Asia-Pacific Chapter of the Association for Computational Linguistics (AACL)   2020–

North American Chapter of the Association for Computational Linguistics (NAACL) 2019–

Joint Conference on Lexical and Computational Semantics (*SEM)   2019

PROFESSIONAL MEMBERSHIPS

Association for Computational Linguistics (ACL)   2018–

Association for the Advancement of Artificial Intelligence (AAAI)   2019