

Reinald Kim Amplayo

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Education

University of Edinburgh , Edinburgh, UK Ph.D. in Informatics Thesis: Comprehensive and Personalized Opinion Summarization Advisor: Mirella Lapata	2018–2021 (expected)
Yonsei University , Seoul, Korea M.A. Library and Information Science (GPA: 4.2/4.3) Thesis: Generative Models for Unsupervised Sense Disambiguation Advisor: Min Song	2016–2018
Ateneo de Davao University , Davao City, Philippines 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	2009–2014

Employment

Visiting Researcher AI Lab, NAVER Clova Host: Sang-Woo Lee	2021
Research Intern Brain Team, Google Mountain View Host: Peter J. Liu	2020
Student Researcher Data Intelligence Lab, Yonsei University Advisor: Seung-won Hwang	2017–2018
Lecturer Ateneo de Davao University	2013

Awards

Google PhD Fellowship (\$180,000)	2019–2022
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Principal's Career Development Scholarship, University of Edinburgh (~\$140,000) (Terminated midway and accepted the Google PhD Fellowship)	2018–2021
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**, S Angelidis, and M Lapata. Aspect-controllable opinion summarization. In *Empirical Methods in Natural Language Processing*, 2021.
2. **RK Amplayo** and M Lapata. Informative and controllable opinion summarization. In *European Chapter of the Association for Computational Linguistics*, 2021.
3. **RK Amplayo**, S Angelidis, and M Lapata. Unsupervised opinion summarization with content planning. In *AAAI Conference on Artificial Intelligence*, 2021.
4. S Angelidis, **RK Amplayo**, Y Suhara, X Wang, and M Lapata. Extractive opinion summarization in quantized transformer spaces. *Transactions of the Association for Computational Linguistics*, 2020.
5. J Kim, S Choi, **RK Amplayo**, and Sw Hwang. Retrieval-augmented and controllable review generation. In *International Conference on Computational Linguistics*, 2020.
6. B Li, T Kim, **RK Amplayo**, and F Keller. Heads-up! unsupervised constituency parsing via self-attention heads. In *Asia-Pacific Chapter of the Association for Computational Linguistics*, 2020.
7. **RK Amplayo** and M Lapata. Unsupervised opinion summarization with noising and denoising. In *Annual Meeting of the Association for Computational Linguistics*, 2020.
8. **RK Amplayo**, S Lim, and Sw Hwang. Text length adaptation in sentiment classification. In *Asian Conference on Machine Learning*, 2019.
9. **RK Amplayo**. Rethinking attribute representation and injection for sentiment classification. In *Empirical Methods in Natural Language Processing and International Joint Conference on Natural Language Processing*, 2019.
10. J Kim, **RK Amplayo**, K Lee, S Sung, M Seo, and Sw Hwang. Categorical metadata representation for customized text classification. *Transactions of the Association for Computational Linguistics*, 7:201–215, 2019.
11. **RK Amplayo**, Sw Hwang, and M Song. AutoSense model for word sense induction. In *AAAI Conference on Artificial Intelligence*, volume 33, 2019.

12. M Cho, **RK Amplayo**, Sw Hwang, and J Park. Adversarial TableQA: Attention supervision for question answering on tables. In *Asian Conference on Machine Learning*, 2018.
13. **RK Amplayo**, J Kim, S Sung, and Sw Hwang. Cold-start aware user and product attention for sentiment classification. In *Annual Meeting of the Association for Computational Linguistics*, 2018.
14. **RK Amplayo**, K Lee, J Yeo, and SW Hwang. Translations as additional contexts for sentence classification. In *International Joint Conference on Artificial Intelligence*, 2018.
15. **RK Amplayo**, S Lim, and Sw Hwang. Entity commonsense representation for neural abstractive summarization. In *North American Chapter of the Association for Computational Linguistics: Human Language Technologies*, 2018.
16. 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 *International Conference on Language Resources and Evaluation*, 2018.
17. **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.
18. **RK Amplayo**, S Hong, and M Song. Network-based approach to detect novelty of scholarly literature. *Information Sciences*, 422:542–557, 2018.
19. **RK Amplayo** and Sw Hwang. Aspect sentiment model for micro reviews. In *International Conference on Data Mining*, 2017.
20. **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

21. **RK Amplayo**, KM Yoo, and SW Lee. Efficient attribute injection for pretrained language models. *arXiv preprint arXiv:2109.07953*, 2021.
22. **RK Amplayo**, Sw Hwang, and M Song. Evaluating research novelty detection: Counterfactual approaches. In *Workshop on Graph-Based Methods for Natural Language Processing*, 2019.
23. 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.
24. **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
Informatics MSc Dissertation 2019
2. Lecturer | Ateneo de Davao University
Competitive Programming 2013–2014

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 (AAACL)	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