

# Reinald Kim Amplayo

Ph.D. Student  
University of Edinburgh  
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<https://rktamplayo.github.io/>

## Education

<b>University of Edinburgh</b> , Edinburgh, UK Ph.D. in Informatics Thesis: Unsupervised and Controllable Opinion Summarization Advisor: Mirella Lapata	2018-
<b>Yonsei University</b> , 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
<b>Ateneo de Davao University</b> , 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

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
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. 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.
2. J Kim, S Choi, **RK Amplayo**, and M Lapata. Unsupervised opinion summarization with noising and denoising. In *International Conference on Computational Linguistics*, 2020.
3. B Li, T Kim, **RK Amplayo**, and M Lapata. Heads-up! unsupervised constituency parsing via self-attention heads. In *Asia-Pacific Chapter of the Association for Computational Linguistics*, 2020.
4. **RK Amplayo** and M Lapata. Unsupervised opinion summarization with noising and denoising. In *Annual Meeting of the Association for Computational Linguistics*, 2020.
5. **RK Amplayo**, S Lim, and Sw Hwang. Text length adaptation in sentiment classification. In *Asian Conference on Machine Learning*, 2019.
6. **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.
7. 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.
8. **RK Amplayo**, Sw Hwang, and M Song. AutoSense model for word sense induction. In *AAAI Conference on Artificial Intelligence*, volume 33, 2019.
9. 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.
10. **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.
11. **RK Amplayo**, K Lee, J Yeo, and SW Hwang. Translations as additional contexts for sentence classification. In *International Joint Conference on Artificial Intelligence*, 2018.
12. **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.

13. 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.
14. **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.
15. **RK Amplayo**, S Hong, and M Song. Network-based approach to detect novelty of scholarly literature. *Information Sciences*, 422:542–557, 2018.
16. **RK Amplayo** and Sw Hwang. Aspect sentiment model for micro reviews. In *International Conference on Data Mining*, 2017.
17. **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

18. **RK Amplayo** and M Lapata. Informative and controllable opinion summarization. *arXiv preprint arXiv:1909.02322*, 2019.
19. **RK Amplayo**, Sw Hwang, and M Song. Evaluating research novelty detection: Counterfactual approaches. In *Workshop on Graph-Based Methods for Natural Language Processing*, 2019.
20. 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.
21. **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

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| 1. Teaching Assistant   University of Edinburgh<br>Informatics MSc Dissertation  | 2019      |
| 2. Lecturer   Ateneo de Davao University<br>Competitive Programming<br>Data Structures and Algorithms<br>Discrete Structures<br>Introduction to Computer Programming<br>Database Systems | 2013–2014 |

## Professional Service

#### CONFERENCE REVIEWING

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|---|-------|
| 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