Reinald Kim Amplayo

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EDUCATION

University of Edinburgh, Scotland, UK

- PhD in Informatics   Sep 2018 – present

Yonsei University, Seoul, Korea

- MA in Library and Information Science   Mar 2016 – Feb 2018
  - Thesis: *"System of Contexts: Generative Models for Unsupervised Sense Disambiguation"*
  - GPA: 4.20 / 4.30

Ateneo de Davao University, Davao City, Philippines

- Units in Computer Science and Mathematics   Jun 2013 – Feb 2014
  - WPA: 97.2 / 100
- BS in Information Technology   Jun 2009 – Mar 2013
  - Thesis: *"Automated Essay Grading using Reflective Random Indexing"*
  - Graduated magna cum laude.
  - WPA: 93.7 / 100 (*ranked 1st among all graduates*)

RESEARCH EXPERIENCE

Data Intelligence Laboratory, Yonsei University

- Visiting Researcher   Jan 2017 – Present
- Projects
  - **Video Question and Highlighting** (project supported by Samsung Research)
  - **Additional Contexts for Better NLP Models**
  - **Knowledge Base Expansion**
- Principal Investigator: Prof. Seung-won Hwang

Text and Social Media Mining Laboratory, Yonsei University

- Research Assistant   Jan 2016 – Feb 2018
- Projects
  - **Aspect-based Sentiment Analysis** (project supported by Social Science Korea)
  - **Research Paper Novelty Detection** (project supported by Microsoft Research Asia)
  - **General Sense Disambiguation** (project supported by Social Science Korea)
- Principal Investigator: Prof. Min Song

PUBLICATIONS

CONFERENCES

[C8] R.K. Amplayo, S.-w. Hwang, M. Song, "Granularity-Agnostic Sense Model for Word Sense Induction," *AAAI 2019*, Honolulu, HI, Jul 2018.

[C7] M.S. Cho, R.K. Amplayo, S.-w. Hwang, J.H. Park, "Adversarial TableQA: Attention Supervision for Question Answering on Tables," *ACML 2018*, Beijing, China, Jul 2018. (**Best Student Paper Runnerup**)

[C6] R.K. Amplayo, J.H. Kim, S.A. Sung, S.-w. Hwang, "Cold-start Aware User and Product Attention for Sentiment Classification," *ACL 2018*, Melbourne, Australia, Jul 2018.

[C5] R.K. Amplayo, K.J. Lee, J.Y. Yeo, S.-w. Hwang, "Translations as Additional Contexts for Sentence Classification," *IJCAI 2018*, Stockholm, Sweden, Jul 2018.

[C4] R.K. Amplayo, S.J. Lim, S.-w. Hwang, "Entity Commonsense Representation for Neural Abstractive Summarization," *NAACL 2018*, New Orleans, LA, Jun 2018.

[C3] J.Y. Yeo, G.B. Lee, G.Y. Wang, S.T. Choi, H.S. Cho, R.K. Amplayo, S.-w. Hwang, "Visual Choice of Plausible Alternatives: An Evaluation of Image-based Commonsense Causal Reasoning," *LREC 2018*, Miyazaki, Japan, May 2018.

[C2] R.K. Amplayo, S.-w. Hwang, "Aspect Sentiment Model for Micro Reviews," in *ICDM 2017*, New Orleans, LA, Nov 2017.

[C1] R.K. Amplayo, M. Song, "Building Content-driven Entity Networks for Scarce Scientific Literature using Content Information," in *BioTxtM at COLING 2016*, Osaka, Japan, Dec 2016.

JOURNALS

[J3] R.K. Amplayo, S.I. Lee, M. Song, "Incorporating Product Description to Sentiment Topic Models for Improved Aspect Term Extraction," *Information Sciences*, accepted, 2018.

[J2] R.K. Amplayo, S.L. Hong, M. Song, "Network-based Approach to Detect Novelty of Scholarly Literature," *Information Sciences*, accepted, 2018.

[J1] R.K. Amplayo and M. Song, "An Adaptable Fine-grained Sentiment Analysis for Summarization of Multiple Short Online Reviews," *Data & Knowledge Engineering*, accepted, 2017.

WORK EXPERIENCE

Ateneo de Davao University, Davao, Philippines

- Lecturer, Computer Science Department — Apr 2013 – Oct 2014
  - Courses Taught: Competitive Programming, Data Structures and Algorithms, Discrete Structures, among others.

Webzenga Hosting Solutions

- C# .NET Software Engineer — Nov 2012 – Jan 2013
  - Project: Academic Information System, Church Information System

Ingenuity, Davao, Philippines

- Django Software Engineer Intern — Apr 2012 – Jun 2012
  - Project: Payroll System

CERTIFICATIONS

- Coursera Certificates — 2014
  Machine learning courses: statistical inference, practical machine learning, regression models, among others
  Data science courses: computing for data analysis, exploratory data analysis, developing data products, among others
  Other courses: function programming in Scala, R programming, algorithmic thinking, among others

- Fundamental Information Technology Engineer, PhilNITS Foundation — 2012
  Given to individuals who have basic fundamental knowledge and skills required to be an advanced IT human resource
  One of only 14 passers. Passed the exam before graduation.

AWARDS & SCHOLARSHIPS

- ACL Walker Fund for ACL 2018, ACL — 2018
- Google Travel Grant for ICDM 2017, Google — 2017
- Korean Government Scholarship Program (KGSP) Award, NIIED — 2015 – 2018
- Computer Science Department Award, Ateneo de Davao University — 2013
- Outstanding Thesis Award, Ateneo de Davao University — 2013
- Consistent Placer, ACM - International Collegiate Programming Competition — 2012 - 2013
- Consistent Champion, ICCF - Open Programming Competition — 2012 - 2013
- Consistent Dean's Lister, Ateneo de Davao University — 2009 – 2014

LANGUAGES

- Cebuano: Native language.
- Filipino: Native language.
- English: Fluent. TOEIC 990 (highest), TOEFL 111.
- Korean: Fluent. TOPIK Level 6 (highest).
- Chinese: Basic.

SKILLS

Programming Languages: Python, Java, C, C++, C#, R, Scala, SQL

Libraries: PyTorch, Tensorflow, Theano, NLTK, scikit-learn, gensim, Mallet, Stanford CoreNLP

INTERESTS

Research, programming, meeting new friends.

[*CV compiled on 2018-11-02*]