

Hardy

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Research Interest

Current research interests include automatic summarization, language generation, and manual evaluation of summarization. Generally, I am interested in work that combine structural representation with end-to-end neural network system.

Technical Skill

I use python and pytorch as my primary research tools. To ease my development, I use either Fairseq, OpenNMT or AllenNLP framework. I also have an experience in building a web application for annotation and evaluation tool for abstractive summarization using Flask framework and VueJS. Other programming languages that I have ever used in the past are C#, C++, and Java. I am an avid user of Linux Mint.

Education

2017 - Now	Ph.D. student in Computer Science, University of Sheffield, United Kingdom Supervisor: Dr. Andreas Vlachos (https://andreasvlachos.github.io) and Dr. Nikolaos Aletras (http://nikosaletras.com)
2010 - 2011	M.Sc. in Computer Science, Universiti Sains Malaysia, Malaysia GPA: 3.60 of 4.00 Thesis: "Question Classification Using Extreme Learning Machine on Semantic Features" Supervisor: Assoc. Prof. Yu-N Cheah
2004 - 2008	B.Sc. in Computer Science, STMIK Mikroskil, Indonesia, (GPA 3.77 of 4.00) GPA: 3.77 of 4.00 (Obtained with Distinction) Final Year Project: "Development of Instant Messenger Monitoring and Auditing with IPv4/IPv6 Dual Stack Protocol Software" Supervisor: Mr. Paulus

Appointment History

2013 - 2017	Head of Computer Science Department, STMIK Mikroskil, Medan, Indonesia
2011 - 2013	Deputy Head of Computer Science Department, STMIK Mikroskil, Medan, Indonesia
2012 - 2017	Lecturer, Computer Science, STMIK Mikroskil, Medan, Indonesia
2008 - 2010	Lab Demonstrator and Faculty Staff, STMIK Mikroskil, Medan, Indonesia

Academic Activities

- Podcaster for Machine Learning @ Mikroskil channel (Indonesia Language): <https://open.spotify.com/show/1ukitilucfT1bvB95s2k9A>
- Reviewer for AACL-IJNLP SRW 2020, Neurips 2020 HAMLET, ACL SRW 2020/2019, ACL 2020/2019, EMNLP 2020/2019, WiNLP 2019, and NAACL2019.
- Demonstrator for Natural Language Processing Lab, Lecturer: Dr Andreas Vlachos and Dr Nikos Aletras (The University of Sheffield, 2017 – 2020)
- Demonstrator for Machine Learning Lab, Lecturer: Dr Mauricio Álvarez and Dr Haiping Lu (The University of Sheffield, 2018)
- Demonstrator for Text Processing Lab, Lecturer: Dr Mark Stevenson (The University of Sheffield, 2018)
- Student for Lisbon Machine Learning School (LxMLS) 2017 at Instituto Superior Técnico (IST) Portugal
- Lecturer for Information Technology Project Management Module, STMIK Mikroskil, 2012, and 2015
- Lecturer for Design and Analysis of Algorithm Module, STMIK Mikroskil, 2013, and 2014
- Lecturer for Algorithm Fundamental Module, STMIK Mikroskil, 2012 - 2017
- Lecturer for Artificial Intelligence Module, STMIK Mikroskil, 2012 - 2017

Publications

Journal Papers

Hardy, H., and Yu-N. Cheah. "Question Classification Using Extreme Learning Machine on Semantic Features." *Journal of ICT Research and Applications* 7.1 (2013): 36-58.

Conference Papers

Hardy, Shashi Narayan, and Andreas Vlachos, "HighRES: Highlight-based Reference-less Evaluation of Summarization." *Proceedings of the 57th Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers)*. 2019.

Hardy, and Andreas Vlachos. "Guided Neural Language Generation for Abstractive Summarization using Abstract Meaning Representation." *Proceedings of the 2018 Conference on Empirical Methods in Natural Language Processing*. 2018.

Harrison, Hardy, Ng Poi Wong. "Solving University Timetabling Problem Using Harmony Search: a Case Study in STMIK Mikroskil." *Information Systems International Conference (ISICO)* (2013): 397

Achievements

Scholarship Awarded

Full LPDP Scholarship from the Indonesia Government for 4 years Ph.D study in The University of Sheffield, United Kingdom. (Ongoing)

Full Scholarship from STMIK Mikroskil for 2 years Master study in The Universiti Sains Malaysia, Malaysia (Finished, 2010 – 2011)

Grants Awarded

Hibah Kompetisi Internal Kreativitas & Inovasi Dosen (Lecturer Creativity & Innovation Internal Competition Grant), "A New Approach in Text Steganography using Mod-Based Least Significant Bit" STMIK Mikroskil, IDR 10.000.000 in 2014.

Hibah Kompetisi Internal Kreativitas & Inovasi Dosen (Lecturer Creativity & Innovation Internal Competition Grant), "University Scheduling using Harmony Search Approach." STMIK Mikroskil, IDR 10.000.000 in 2012.

Hibah Kompetisi Internal Kreativitas & Inovasi Dosen (Lecturer Creativity & Innovation Internal Competition Grant), "A New Approach in Promotion Media for STMIK Mikroskil using Kinect." STMIK Mikroskil, IDR 10.000.000 in 2012.
