Christian Hadiwinoto
Resume

EDUCATION

- Degree   : Ph.D. in Computer Science
  University   : National University of Singapore
  GPA/Grades   : 4.39 out of 5
  Year of Graduation : 2017
- Degree   : Bachelor of Engineering (B.Eng.) with Honours in Informatics/Computer Science
  University   : Institut Teknologi Bandung (Bandung Institute of Technology), Indonesia
  GPA/Grades   : 3.75 (cum laude) out of 4
  Year of Graduation : 2011

RESEARCH INTERESTS

- Machine Translation
- Natural Language Processing
- Machine Learning
- Artificial Intelligence

PUBLICATIONS

- **Christian Hadiwinoto**, Hwee Tou Ng, and Wee Chung Gan (2019). Improved Word Sense Disambiguation Using Pre-Trained Contextualized Word Representations. In *Proceedings of the 2019 Conference on Empirical Methods in Natural Language Processing and 9th International Joint Conference on Natural Language Processing*, pages 5297-5306.
- **Christian Hadiwinoto** and Hwee Tou Ng (2018). Upping the Ante: Towards a Better Benchmark for Chinese-to-English Machine Translation. In *Proceedings of the 11th edition of the Language Resources and Evaluation Conference*, pages 16-23.
- **Christian Hadiwinoto** (2017). Book Review: Syntax-Based Statistical Machine Translation by Philip Williams, Rico Sennrich, Matt Post and Philipp Koehn. *Computational Linguistics*, 43(4):893-896.
- **Christian Hadiwinoto** and Hwee Tou Ng (2017). A Dependency-Based Neural Reordering Model for Statistical Machine Translation. In *Proceedings of the Thirty-First AAAI Conference on Artificial Intelligence*, pages 109-115.
- **Christian Hadiwinoto**, Yang Liu, and Hwee Tou Ng (2016). To Swap or Not to Swap? Exploiting Dependency Word Pairs for Reordering in Statistical Machine Translation. In *Proceedings of the Thirtieth AAAI Conference on Artificial Intelligence*, pages 2943-2949.
- Hwee Tou Ng, Siew Mei Wu, Ted Briscoe, **Christian Hadiwinoto**, Raymond Hendy Susanto, and Christopher Bryant (2014). The CoNLL-2014 Shared Task on Grammatical Error Correction. In *Proceedings of the Eighteenth Conference on Computational Natural Language Learning: Shared Task*, pages 1-14.
- Hwee Tou Ng, Siew Mei Wu, Yuanbin Wu, **Christian Hadiwinoto**, and Joel Tetreault (2013). The CoNLL-2013 Shared Task on Grammatical Error Correction. In *Proceedings of the Seventeenth Conference on Computational Natural Language Learning: Shared Task*, pages 1-12.

WORK EXPERIENCE

- *Senior Software Engineer (Machine Learning) - Search Algorithm*
  Shopee - DEEP Team   Jan 2021 – present
- *Software Engineer (Machine Learning) - Search Algorithm*
  Shopee - DEEP Team   Sep 2019 – Jan 2021
- *Research Fellow - funded by multilingual information extraction research grant*
  NUS Natural Language Processing Group   Sep 2017 – Sep 2019
- *System Administrator - maintaining servers for research group*
  NUS Natural Language Processing Group   Jun 2012 – Sep 2019
- *Undergraduate Intern*
  PT Telekomunikasi Indonesia, Tbk. (Telkom)   Jun – Jul 2010
  East Java Network Region, Telecommunication Infrastructure (Infratel) Division
  Surabaya, Indonesia

TEACHING EXPERIENCE

- **[CS4248] Natural Language Processing (Grader)** — Aug – Nov 2012;
  School of Computing, National University of Singapore — Aug – Nov 2014
- **[IF2034] Database (Tutor)** — Feb – May 2010
  School of Electrical Engineering and Informatics, Bandung Institute of Technology

PROFESSIONAL SERVICES

- *Program Committee Member (Reviewer) in Conferences*

AAAI Conference on Artificial Intelligence (AAAI)	2017 – 2021
Empirical Methods in Natural Language Processing (EMNLP)	2020 – 2021
Annual Meeting of the Association for Computational Linguistics (ACL)	2017 – 2019; 2021 – 2022
International Conference on Computational Linguistics (COLING)	2018
International Joint Conference on Artificial Intelligence (IJCAI)	2018
North American Chapter of the Association for Computational Linguistics (NAACL)	2018
European Chapter of the Association for Computational Linguistics (EACL)	2017
International Joint Conference on Natural Language Processing (IJCNLP)	2017

- *Reviewer in Journals*

Computational Linguistics (CL)	2018 – 2021
Journal of Natural Language Engineering (JNLE)	2018
Transactions on Asian and Low-Resource Language Information Processing (TALLIP)	2017 – 2018
Neural Processing Letters (NEPL)	2017
Transactions on Asian Language Information Processing (TALIP)	2013

- *Shared Tasks (Competitions)*

  Innovation Challenge (Guest Speaker) — Feb 2019
  National University of Singapore and Johnson and Johnson
  (Technical Enablement Session on natural language processing)

  CoNLL-2014 Shared Task: Grammatical Error Correction (Organizer) — Nov 2013 – Jun 2014
  Eighteenth Conference on Computational Natural Language Learning (CoNLL-2014)
  (Fixed scoring program, data preparation, proceedings compilation, and overview paper, see "Publications")

  CoNLL-2013 Shared Task: Grammatical Error Correction (Organizer) — Dec 2012 – Aug 2013
  Seventeenth Conference on Computational Natural Language Learning (CoNLL-2013)
  (Set up scoring program, proceedings compilation, and overview paper, see "Publications")

SCHOLARSHIPS / AWARDS

- *Research Achievement Award*
  School of Computing, National University of Singapore — Jan 2016
- *Research Scholarship*
  School of Computing, National University of Singapore — Aug 2011 – Jul 2015

SKILLS

- **Programming**: AWK, C/C++, CSS, Go, HTML, Java, JSP, JavaScript, Lua, Moses SMT system, MySQL, Pascal, Perl, PHP, Python, Scala, Spark (Apache), Torch/PyTorch, Tensorflow, Theano
- **Language**: Indonesian (native), English (fluent), Mandarin Chinese (basic)