

Jorge Balazs Thenot

Ph.D. Student

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January 13 1991, Santiago, Chile

Third-year Ph.D. student at the University of Tokyo under the supervision of Prof. Yutaka Matsuo. I am currently working on Deep Learning applied to Natural Language Processing, specifically on how exploiting morphological information can help us obtain better word representations.

Education

- 2019 Ph.D. (expected), The University of Tokyo, Japan
- 2015 Industrial Engineer, University of Chile, Chile
- 2012 Bachelor of Engineering, University of Chile, Chile

Experience

- September 2016 – August 2019 Ph.D. Student, The University of Tokyo, Japan
- October 2017 – December 2017 Intern, Cogent Labs, Japan
 - > Created a baseline model for automatically classifying consumer complaints
 - > Helped in developing a Named-entity recognizer

Pytorch
- April 2016 – August 2016 Research Student, The University of Tokyo, Japan

Tensorflow Pytorch
- August 2014 – March 2016 Senior Student, Web Intelligence Center, University of Chile, Chile
 - > Developed an Opinion Mining platform prototype for analyzing tweets mentioning a Chilean retail company
 - > Studied how to predict web users' click intentions by analyzing eye tracking, pupil dilation and EEG data

Python Django Amazon EC2 MongoDB
- March 2014 – October 2014 Part-time Analyst, Scopix Solutions, Chile
 - > Created several data visualization dashboards
 - > Implemented ETL processes for moving data from data servers to production servers, and preparing them for visualization

Tableau PostgreSQL Python

Competences

Programming Languages: **Python, Bash**, JavaScript, Java, \LaTeX

Technologies: **Pytorch**, Tensorflow, UNIX, Git, NumPy, SciPy, scikit-learn, NLTK, Pandas

Languages

Spanish (Native) ● ● ● ● ●

English ● ● ● ● ○

French ● ● ● ● ○

Japanese ● ● ○ ○ ○

References

Yutaka Matsuo, *Special Associate Professor*
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Department of Industrial Engineering
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Publications

- [1] **J. A. Balazs**, E. Marrese-Taylor, and Y. Matsuo, “IIIDYT at IEST 2018: Implicit Emotion Classification with Deep Contextualized Word Representations,” in *Proceedings of the 9th Workshop on Computational Approaches to Subjectivity, Sentiment and Social Media Analysis (WASSA)*, (Brussels, Belgium), Association for Computational Linguistics, November 2018. To appear.
- [2] P. Loyola, E. Marrese-Taylor, **J. A. Balazs**, Y. Matsuo, and F. Satoh, “Content Aware Source Code Change Description Generation,” in *Proceedings of the 11th International Conference on Natural Language Generation (INLG)*, (Tillburg, The Netherlands), Association for Computational Linguistics, November 2018. To appear.
- [3] S. Ilic, E. Marrese-Taylor, **J. A. Balazs**, and Y. Matsuo, “Deep contextualized word representations for detecting sarcasm and irony,” in *Proceedings of the 9th Workshop on Computational Approaches to Subjectivity, Sentiment and Social Media Analysis (WASSA)*, (Brussels, Belgium), Association for Computational Linguistics, November 2018. To appear.
- [4] E. Marrese-Taylor, S. Ilic, **J. A. Balazs**, H. Prendinger, and Y. Matsuo, “IIIDYT at SemEval-2018 Task 3: Irony detection in English tweets,” in *Proceedings of the 12th workshop on semantic evaluation (SemEval)*, *collocated with NAACL-HLT*, (New Orleans, USA), Association for Computational Linguistics (ACL), June 2018.
- [5] **J. A. Balazs**, E. Marrese-Taylor, P. Loyola, and Y. Matsuo, “Refining Raw Sentence Representations for Textual Entailment Recognition via Attention,” in *Proceedings of the 2nd Workshop on Evaluating Vector Space Representations for NLP (RepEval) collocated with EMNLP*, (Copenhagen, Denmark), Association for Computational Linguistics (ACL), September 2017.
- [6] E. Marrese-Taylor, **J. A. Balazs**, and Y. Matsuo, “Mining fine-grained opinions on closed captions of YouTube videos with an attention-RNN,” in *Proceedings of the 8th Workshop on Computational Approaches to Subjectivity, Sentiment & Social Media Analysis (WASSA) collocated with EMNLP*, (Copenhagen, Denmark), Association for Computational Linguistics (ACL), September 2017.
- [7] G. Slanzi, **J. A. Balazs**, and J. D. Velásquez, “Combining eye tracking, pupil dilation and EEG analysis for predicting web users click intention,” *Information Fusion*, vol. 35, pp. 51 – 57, 2017.
- [8] **J. A. Balazs** and J. D. Velásquez, “Opinion Mining and Information Fusion: A survey,” *Information Fusion*, vol. 27, pp. 95 – 110, 2016.
- [9] **J. A. Balazs**, “Design, Development and Implementation of a Web Opinion Mining Application for Identifying Twitter Users’ Sentiment Towards a Chilean Retail Company,” Thesis, 2015.

Services to the community

- › **Reviewer for Workshops:** Implicit Emotion Shared Task 2018 (WASSA, collocated with EMNLP)

Talks

- › Implicit Emotion Shared Task @ WASSA (EMNLP), oral presentation, October 2018: “Implicit Emotion Classification with Deep Contextualized Word Representations”, pending
- › Machine Learning Tokyo Meetup, September 2018: “Intro to NLP Research: From strings to tokens to vectors”¹

¹<https://goo.gl/cqeDqx>