

Jorge Balazs Thenot

Ph.D. Student

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🎓 scholar.google.com/citations?user=lqr7zaQAAAAJ
🔗 jabalazs.github.io

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 <ul style="list-style-type: none">➢ Created a baseline model for automatically classifying consumer complaints➢ Helped in developing a Named-entity recognizer <div>Pytorch</div>
April 2016 August 2016	Research Student, The University of Tokyo, Japan <div>Tensorflow Pytorch</div>
August 2014 March 2016	Senior Student, Web Intelligence Center, University of Chile, Chile <ul style="list-style-type: none">➢ 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 <div>Python Django Amazon EC2 MongoDB</div>
March 2014 October 2014	Part-time Analyst, Scopix Solutions, Chile <ul style="list-style-type: none">➢ Created several data visualization dashboards➢ Implemented ETL processes for moving data from data servers to production servers, and preparing them for visualization <div>Tableau PostgreSQL Python</div>

📖 Competences

Programming Languages: **Python, Bash**, JavaScript, Java, \LaTeX
Technologies: **Pytorch**, Tensorflow, UNIX, Git, NumPy, SciPy, scikit-learn, NLTK, Pandas, Matplotlib

🗣 Languages

Spanish (Native)	● ● ● ● ●
English	● ● ● ● ○
French	● ● ● ● ○
Japanese	● ● ○ ○ ○

👥 References

Yutaka Matsuo, *Special Associate Professor*
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The University of Tokyo
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Juan D. Velasquez, *Professor*
Department of Industrial Engineering
University of Chile
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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) co-located with EMNLP*, (Brussels, Belgium), Association for Computational Linguistics (ACL), November 2018. **(Best System Analysis Paper)**.
- [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 (ACL), November 2018.
- [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 (ACL), November 2018.
- [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)*, co-located 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) co-located 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) co-located 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, co-located with EMNLP).

Talks

- › Machine Learning Tokyo Meetup, February 2019. Paper Reading of “A Unified Architecture for Natural Language Processing: Deep Neural Networks with Multitask Learning”¹
- › Implicit Emotion Shared Task @ WASSA (EMNLP), oral presentation, October 2018: “Implicit Emotion Classification with Deep Contextualized Word Representations”,²
- › Machine Learning Tokyo Meetup, September 2018: “Intro to NLP Research: From strings to tokens to vectors”³

¹https://jabalazs.github.io/assets/unified_architecture_reading.pdf

²<https://speakerdeck.com/jabalazs/implicit-emotion-classification-with-deep-contextualized-word-representations>

³<https://goo.gl/cqeDqx>