

Jorge Balazs Thenot

Ph.D.

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🔗 jabalazs.github.io

🎓 Education

2020 Ph.D., The University of Tokyo
2015 Industrial Engineer, The University of Chile
2012 Bachelor of Engineering, The University of Chile

💼 Experience

Present July 2021	Applied Scientist II, Amazon, Berlin AWS MXNet Spark Airflow
June 2021 July 2020	Applied Scientist I, Amazon, Berlin AWS MXNet
March 2020 September 2016	Ph.D. Student, The University of Tokyo
September 2019 June 2019	Applied Scientist Intern, Amazon, Seattle TensorFlow AWS
December 2017 October 2017	Intern, Cogent Labs, Tokyo <ul style="list-style-type: none">➢ Created a baseline model for automatically classifying consumer complaints➢ Helped in developing a Named-entity recognizer Pytorch
August 2016 April 2016	Research Student, The University of Tokyo TensorFlow Pytorch
March 2016 August 2014	Senior Student, Web Intelligence Center, The University of 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 Python Django Amazon EC2 MongoDB
October 2014 March 2014	Part-time Analyst, Scopix Solutions, Santiago, 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 Tableau PostgreSQL Python

📋 Competences

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

🗣 Languages

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

Teaching Experience

January 2020 | Teaching Assistant, The University of Tokyo
October 2019 | Introduction to Machine Learning

January 2019 | Teaching Assistant, The University of Tokyo
October 2018 | Introduction to Machine Learning

December 2015 | Teaching Assistant, The University of Chile
August 2015 | Web Intelligence

December 2014 | Teaching Assistant, The University of Chile
August 2014 | Web Intelligence

Certificates and Awards

- **Japanese Government MEXT Scholarship** (Apr 2016 - Aug 2019)
Awarded to foreign students to pursue postgraduate studies in Japan.
- **Graduated With the Highest Distinction** (Dec 2015)
University of Chile

Service and Professional Activities

- **Reviewing:**
 - 2021. International Conference on Learning Representations (ICLR). Outstanding reviewer.
 - 2020. International Conference on Machine Learning (ICML). Top 33% reviewer.
 - 2020. ACL Student Research Workshop (ACL SRW)
 - 2020. ACL Demonstration Track
 - 2018. Implicit Emotion Shared Task (WASSA, hosted at EMNLP).
- **Co-Organizer:** 2018, 2019. Machine Learning Tokyo Meetup Group

Talks

- Machine Learning Tokyo Meetup, March 2019: “NLP Basics”¹ in the context of a Sequence to Sequence Learning Workshop.
- Machine Learning Tokyo Meetup, March 2019: Paper Reading of “Neural Machine Translation by Jointly Learning to Align and Translate”
- Machine Learning Tokyo Meetup, February 2019: Paper Reading of “A Unified Architecture for Natural Language Processing: Deep Neural Networks with Multitask Learning”²
- Implicit Emotion Shared Task @ WASSA (EMNLP), oral presentation, October 2018: “Implicit Emotion Classification with Deep Contextualized Word Representations”,³
- Machine Learning Tokyo Meetup, September 2018: “Intro to NLP Research: From strings to tokens to vectors”⁴

References

Yutaka Matsuo, Associate Professor
Department of Technology Management for Innovation
The University of Tokyo
✉ matsuo@weblab.t.u-tokyo.ac.jp

Juan D. Velasquez, Professor
Department of Industrial Engineering
The University of Chile
✉ jvelasque@dii.uchile.cl

Simone Filice, Applied Scientist
Alexa Shopping
Amazon
✉ filicesf@amazon.com

Publications

- [1] **J. A. Balazs** and Y. Matsuo, “Gating Mechanisms for Combining Character and Word-level Word Representations: An Empirical Study,” in *Proceedings of NAACL-HLT Student Research Workshop*, (Minneapolis, USA), Association for Computational Linguistics (ACL), June 2019.
- [2] **J. A. Balazs**, E. Marrese-Taylor, and Y. Matsuo, “IIDIYT at IEST 2018: Implicit Emotion Classification with Deep Contextualized Word Representations,” in *Proceedings of the 9th Workshop on Computational Approaches to Subjectivity, Sentiment and*

¹<https://kutt.it/PpqDRF>

²https://jabalazs.github.io/assets/unified_architecture_reading.pdf

³<https://speakerdeck.com/jabalazs/implicit-emotion-classification-with-deep-contextualized-word-representations>

⁴<https://goo.gl/cqeDqx>

Social Media Analysis (WASSA) co-located with EMNLP, (Brussels, Belgium), Association for Computational Linguistics (ACL), November 2018. **(Best System Analysis Paper)**.

- [3] 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.
- [4] 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.
- [5] E. Marrese-Taylor, S. Ilic, **J. A. Balazs**, H. Prendinger, and Y. Matsuo, "IILDYT 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.
- [6] **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.
- [7] 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.
- [8] 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.
- [9] **J. A. Balazs** and J. D. Velásquez, "Opinion Mining and Information Fusion: A survey," *Information Fusion*, vol. 27, pp. 95 – 110, 2016.
- [10] **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.