Jorge **Balazs Thenot**

Ph.D. Student

Shinjuku 3-5-13 Nishiwaseda, Tokyo, Japan
jorge@weblab.t.u-tokyo.ac.jp
linkedin.com/in/jorgebalazs
scholar.google.com/citations?user=Iqr7zaQAAAAJ
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**
- 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, Matplotlib

Languages

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

References

Yutaka Matsuo, *Project 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
University of Chile
jvelasqu@dii.uchile.cl

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. Forthcoming.

[2] **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)**.

[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, "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.

[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.

Certificates and Awards

- **Japanese Government MEXT Scholarship** (Apr 2016 - Aug 2019)
  Awarded to foreign students to pursue postgraduate studies in Japan.

Service and Professional Activities

- **Reviewer for Workshops**: Implicit Emotion Shared Task 2018 (WASSA, co-located with EMNLP).
- **Co-Organizer**: 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]

[1] `https://kutt.it/PpqDRF`
[2] `https://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`