Sandro Pezzelle, PhD

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Skills

Languages

- ○ Italian ●●●●●
- ○ English ●●●●○
- ○ French ●●●○○

Programming

- ○ Unix ●●●●○
- ○ Python ●●●○○
  - ○ Keras ●●●○○
  - ○ Tensorflow ●●○○○
- ○ Matlab ●●●○○
  - ○ Psychtoolbox ●●●●○
- ○ Lua/Torch ●●○○○

Statistics & Others

- ○ R/RStudio ●●●●○
  - ○ lme4 ●●●●○
  - ○ ggplot2 ●●●●○
- ○ LaTeX ●●●●●
- ○ LibreOffice ●●●●●
- ○ Inkscape ●●●●○
- ○ Html ●●●○○

Soft Skills

- ○ Communication ●●●●●
- ○ Writing ●●●●●
- ○ Organization ●●●●○
- ○ Learning ●●●●●
- ○ Networking ●●●●○

Sandro Pezzelle
Postdoc Researcher

About me Postdoc researcher working at the intersection between Computational Linguistics, Computer Vision and Cognitive Sciences. I obtained a PhD in Cognitive and Brain Sciences, track **Language, Interaction and Computation**. I'd define myself as an enthusiastic, communicative, and proactive person. "Let's try!" is my personal motto.

Education

2015 - 2018, PhD in Cognitive and Brain Sciences, passed *cum laude*
CIMeC, University of Trento, Italy. Supervisor: Raffaella Bernardi
Computational Linguistics, Computer Vision, Cognitive Sciences, Machine Learning, AI

2012 - 2015, MSc in Linguistics, 110/110 *cum laude*
University of Padova, Italy. Supervisors: Laura Vanelli, Marco Marelli
Distributional Semantics, Psycholinguistics, Morphology

Jan 2014 - Jul 2014, Erasmus Program
Université Catholique de Louvain, Belgium.
Applied Linguistics, Computational Linguistics, Statistics

2009 - 2012, BSc in Modern Literature, 110/110 *cum laude*
University of Padova, Italy. Supervisor: Luca Zuliani
Stylistic and Metrics, Formal Linguistics, Philology

Relevant Experience

Jun - Dec 2018, Research Intern
SAP Machine Learning Research. Supervisors: Moin Nabi, Tassilo Klein
Machine Learning, Deep Learning, Language & Vision

Oct 2017, Research Intern
ILLC, University of Amsterdam. Supervisor: Jakub Szymanik
Distributional Semantics, Formal Linguistics, Language Modeling

Nov 2016 - Jun 2017, Language Specialist
Appen. Part-time, project-oriented remote position
Computational Linguistics, Formal Linguistics

Training

2017 Mini-Symposium on Deep Generative Models, Amsterdam
2017 iV&L Training School on Cognitive Robotics, Athens
2016 26th ESSLLI, Bolzano
2016 iV&L Training School on Deep Learning, Malta
2015 - 2016 Machine Learning by Stanford University, Coursera

Recent Presentations

Sept 8, 2018 *Be Different to Be Better: Toward the Integration of Language and Vision*. Poster at **SiVL at ECCV 2018**, Munich.
Jun 2, 2018 *Comparatives, Quantifiers, Proportions: A Multi-Task Model for the Learning of Quantities from Vision*. Talk at **NAACL-HLT 2018**, New Orleans.

Publications

○ **Pezzelle, S.**, Bernardi, R., Piazza, M. (2018). *Probing the Mental Representation of Quantifiers,* **Cognition**, 181, 117-126

○ **Pezzelle, S.**, Steinert-Threlkeld, S., Bernardi, R., Szymanik, J. (2018). *Some of them can Be Guessed! Exploring the Effect of Linguistic Context in Predicting Quantifiers*, **ACL2018**

○ **Pezzelle, S.**, Sorodoc, I., Bernardi, R. (2018). *Comparatives, Quantifiers, Proportions: A Multi-Task Model for the Learning of Quantities from Vision*, **NAACL-HLT2018**

○ **Pezzelle, S.**, Marelli, M. (*to appear*). *Do Semantic Features Capture a Morpho-Syntactic Classification of Compounds? Insights from Compositional Distributional Semantics*, **PMWE2018**

○ Smith, D. A., **Pezzelle, S.**, Franzon, F., Zanini, C., Bernardi, R. (2017). *Can you See the (Linguistic) Difference? Exploring the Mass/Count Distinction in Vision*, **IWCS2017**

○ Shekhar, R., **Pezzelle, S.**, Herbelot, A., Nabi, M., Sangineto, E., Bernardi, R. (2017). *Vision and Language Integration: Moving beyond Objects*, **IWCS2017**

○ Shekhar, R., **Pezzelle, S.**, Klimovich, Y., Herbelot, A., Nabi, M., Sangineto, E., Bernardi, R. (2017). *FOIL it! Find One mismatch between Image and Language caption*, **ACL2017**

○ Sorodoc, I., **Pezzelle, S.**, Herbelot, A., Bernardi, R. (*accepted*). *"Pay Attention to Those Sets!" Learning Quantification from Images*, **JNLE2018**

○ **Pezzelle, S.**, Marelli, M., Bernardi, R. (2017). *Be Precise or Fuzzy: Learning the Meaning of Cardinals and Quantifiers from Vision*, **EACL2017**

○ **Pezzelle, S.**, Sorodoc, I., Herbelot, A., Bernardi, R. (2016). *Imparare a quantificare guardando*, **CLIC-it2016**

○ Paperno, D., Kruszewski, G., Lazaridou, A., Pham, Q., Bernardi, R., **Pezzelle, S.**, Baroni, M., Boleda, G., and Fernandez, R. (2016). *The LAMBADA dataset: Word prediction requiring a broad discourse context*, **ACL2016**

○ **Pezzelle, S.**, Shekhar, R., Bernardi, R. (2016). *Building a bagpipe with a bag and a pipe: Exploring conceptual combination in Vision*, **VL2016**

○ Sorodoc, I., Lazaridou, A., Boleda, G., Herbelot, A., **Pezzelle, S.**, Bernardi, R. (2016). *"Look, some green circles!": Learning to quantify from images*, **VL2016**