

CONTACT INFORMATION 26 Canaan Lane +44 7435654361  
 EH104SY Edinburgh (UK) m.damonte@sms.ed.ac.uk

SUMMARY I'm currently pursuing a PhD degree at the University of Edinburgh, UK. My research focuses on Natural Language Processing, the field of Artificial Intelligence that deals with natural languages. In particular, I'm working on software algorithms to extract the underlying meaning of sentences (Natural Language Understanding) and generating new sentences given the intended meaning (Natural Language Generation). For this purpose, I am studying a meaning representation framework called Abstract Meaning Representation (AMR).

EDUCATION **University of Edinburgh**  
**Old College, South Bridge, Edinburgh EH8 9YL, United Kingdom**  
*PhD in Natural Language Processing* 01/09/2015 –  
 Supervised by Shay Cohen  
 Teaching assistant for Natural Language Understanding (2018), Topics in NLP (2017), Advanced NLP (2016/2017), Informatics 2A (2015)  
 Member of the Edina team at the Amazon Alexa Prize 2016/2017

**Instituto Superior Técnico, Portugal**  
**Av. Rovisco Pais 1, 1049-001 Lisboa, Portugal**  
*Lisbon Machine Learning School* 21/07/2016 – 28/07/2016

**University of Edinburgh**  
**Old College, South Bridge, Edinburgh EH8 9YL, United Kingdom**  
*Artificial Intelligence MSc - Distinction* 08/09/2014 – 31/08/2015  
 Dissertation: "Machine Translation with Coarse Lexical Semantics"

**Norwegian University of Science and Technology, Norway**  
**Hogskoleringen 1, 7491 Trondheim, Norway**  
*Erasmus exchange program* 05/01/2012 - 14/06/2012  
 Courses: Compilers, Web Intelligence, Natural Language Interfaces, Requirements and Testing.

**University of Genoa, Italy**  
**Via Balbi, 5, 16126 Genova GE, Italy**  
*BSc and MSc in Information Engineering (107/110)* 09/2008 – 06/2014  
 Dissertation: "COOPERA: a Cost-effective Open-source Platform for Empirical AI and Robotics"

WORKING EXPERIENCE **Amazon Lab126**  
**1100 Enterprise Way, Sunnyvale, California, United States**  
*Applied Scientist Intern* 11/06/2018 - 14/09/2018  
 Machine Learning for Natural Language Understanding and Conversational Agents

**Facebook, London**  
**10 Brock Street, London NW1 3FG, United Kingdom**  
*Software Engineer Intern* 25/06/2017 - 16/9/2017  
 Machine Learning for Ads Ranking

**University of Genoa, Italy**  
**Via Balbi, 5, 16126 Genova GE, Italy**

Research Collaborator

06/06/2014 - 05/09/2014

Reinforcement Learning applied to Robotics

- PUBLICATIONS
- [1] Marco Damonte and Shay B Cohen. Cross-lingual abstract meaning representation parsing. *To appear at NAACL*, 2018.
  - [2] Marco Damonte and Shay B Cohen. Structural neural encoders for AMR-to-text generation. In *Proceedings of NAACL*, 2019.
  - [3] Marco Damonte, Shay B Cohen, and Giorgio Satta. An incremental parser for abstract meaning representation. *Proceedings of EACL*, 2017.
  - [4] Marco Damonte, Rahul Goel, and Tagyoung Chung. Practical semantic parsing for spoken language understanding. In *Proceedings of NAACL*, 2019.
  - [5] Fuad Issa, Marco Damonte, Shay B. Cohen, Xiaohui Yan, and Yi Chang. Abstract meaning representation for paraphrase detection. In *To appear at NAACL*, 2018.
  - [6] Ben Krause, Marco Damonte, Mihai Dobre, Daniel Duma, Joachim Fainberg, Federico Fancellu, Emmanuel Kahembwe, Jianpeng Cheng, and Bonnie Webber. Edina: Building an open domain socialbot with self-dialogues. *arXiv preprint arXiv:1709.09816*, 2017.
  - [7] Renars Liepins, Ulrich Germann, Guntis Barzdins, Alexandra Birch, Steve Renals, Susanne Weber, Peggy van der Kreeft, Herve Bourlard, João Prieto, Ondrej Klejch, et al. The summa platform prototype. In *Proceedings of EACL*, 2017.
- SCHOLARSHIPS
- UK/EU Master's Scholarship for the academic session 2014/2015 (University of Edinburgh)  
Sponsored participation to Amazon Alexa Prize 2016/2017  
PhD research supported by a grant from Bloomberg and by the H2020 project SUMMA
- PEER REVIEWING
- NAACL 2018  
ACL 2018  
3rd Workshop on Representation Learning for NLP (RepL4NLP 2018)  
ACL 2019  
4rd Workshop on Representation Learning for NLP (RepL4NLP 2019)  
EMNLP-IJCNLP 2019
- TOOLS
- Toolkits: PyTorch, Torch, OpenNMT, CoreNLP, Spacy, Moses, HTK, Festival, NLTK, Wordnet.  
Programming languages: Python, Java, C++, C, Clojure, PHP, JavaScript, Matlab, R.