PERSONAL INFORMATION

Laura Pérez-Mayos

📍 PhD Student in Computational Linguistics. UPF, Barcelona

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🌐 https://lpmayos.github.io

PROFESSIONAL EXPERIENCE

October 2017 – Present

NLP Pre-doctoral Researcher
http://taln.upf.edu

Contextual word representations. Neural Dependency Parsing. Development of NLP tools and pipelines. Web development for workshops and projects.

July 2015 – September 2017

NLP Research assistant at TALN, UPF
http://taln.upf.edu

Word Sense Disambiguation. UIMA pipelines. Web development for workshops and projects.

May 2014 – September 2014

Web Architect at 4d-life
http://4d-life.net

Frontend and Backend Engineer. Analysis, architecture and development of web applications with Python and Javascript.

March 2013 – February 2014

CTO at Iskra Desenvolupament S.C.C.L.
http://www.iskra.cat

Agile leader and project manager. Analysis, design and development of web applications with Python and Plone.

March 2010 – January 2013

Web applications developer at UPCnet Inc.
http://www.upcnet.es

Analysis, design and development of web applications with Python and Plone. Analysis, design and development of e-Government applications.

February 2008 – August 2009

Web applications developer at Guell Consulting Technologies Inc.
http://www.guellconsulting.com

Analysis, design and development of web applications with Python and Plone.

February 2006 – January 2008

Web developer at SAC Disseny i Comunicacions Inc.
http://activaweb.com

Analysis, design and development of web applications based on ASP / MySQL implementation of own content manager.

ACADEMIC EDUCATION

2017 – 2020

PhD in Computational Linguistics   UPF
Universitat Pompeu Fabra, Barcelona, Spain

Research topics: 1) contextual word representations from syntactic parsers; 2) linguistically-motivated evaluation metrics for syntactic dependency parsing.

2019

9th Lisbon Machine Learning School (LxMLS 2019)   IST
Instituto Superior Técnico, Lisbon, Portugal

ML and their application to NLP. These areas include but are not restricted to: Classification, Structured Prediction (sequences, trees, graphs), Deep Learning and Reinforcement Learning.

2015 – 2017	**Master on Computer Vision**	UAB, UPC, UPF, UOC (60 ECTS)

Universitat Autonoma de Barcelona, Universitat Politècnica de Catalunya, Universitat Pompeu Fabra, Universitat Oberta de Catalunya, Barcelona, Spain

Thesis title: Improving the quality of video-to-language models by an optimized annotation of the training material

2014 – 2015	**Master on Intelligent Interactive Systems**	UPF (60 ECTS)

Universitat Pompeu Fabra, Barcelona, Spain

Thesis title: Co-speech gesture generation for the humanoid robot REEM-C

2001 – 2005	**Technical Engineer in Computer Science**	UPC (183.6 ECTS)

Universitat Politècnica de Catalunya, Barcelona, Spain

Thesis title: Theclick production guide, visual directory of companies

RESEARCH INTERESTS

Contextual word representations.
Linguistically-motivated evaluation metrics for syntactic dependency parsing.
Deep Learning for natural language processing.
Natural language processing for social good.

PUBLICATIONS

2019 Pérez-Mayos, Laura; Farrús, Mireia; Adell, Jordi. Part-of-Speech and Prosody-based Approaches for Robot Speech and Gesture Synchronization. Journal of Intelligent & Robotic Systems. https://doi.org/10.1007/s10846-019-01100-3

2018 Pérez-Mayos, Laura; Sukno, Federico M.; Wanner, Leo. Improving the Quality of Video-to-Language Models by Optimizing Annotation of the Training Material. International Conference on Multimedia Modeling. 1 ed. Bangkok: Cham Springer International; 2018. p. 279-290.

ACADEMIC SERVICES

Secondary reviewer for NAACL-HLT 2019.
Reviewer for EMNLP 2019.

UNIVERSITY TEACHING

Teaching assistant in the Computational Logic subject of the Computer Science Degree. DTIC. Universitat Pompeu Fabra, Barcelona, Spain. Academic year: 2014-2015.

INVITED TALKS

TALN Research Seminar (Universitat Pompeu Fabra, Barcelona, Spain). Host: Monica Domínguez. 12th Dec 2018. Topic: Jupyter Notebook by example. Basic NLP with spaCy.

COMMUNITY

PyBCN President of PyBCN, the Barcelona Python Association, with more than 3k members on Meetup. Our mission is to promote, educate and advance the local Python community through monthly meetups, practice sessions and specific events like PyDay and PyData.

PyladiesBCN Coordinator of PyLadiesBCN, a group with a focus on helping more women become active participants and leaders in the Python open-source community. Our mission is to promote, educate and advance a diverse Python community through outreach, education, conferences and events.

LANGUAGES

Mother tongue(s)   Catalan and Spanish

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
English				
C1	C1	C1	C1	C1
German				
A2	A2	A2	A2	A2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
Common European Framework of Reference (CEF) level

PERSONAL SKILLS

Computing   Linux, OSX. Python, Java, Matlab. ROS. Neo4j, OrientDB, Solr, Mongo. HTML, CSS, JS.

Scuba diving   PADI Advanced Open Water Certificate. 2018. Thailand.
PADI Open Water Certificate. 2016. Barcelona.

Interests   Passionate reader. Scuba diving lover. Hiking enthusiast. Photographer. Enjoy traveling and cooking. Urban Cycling.