Curriculum vitae

PERSONAL INFORMATION	## Ludovica Pannitto

📍 via delle Conce, 6, 56125 Pisa (Italy)

📱 +39 3890036294

✉ ellepannitto@gmail.com

Date of birth 13/10/1993

EDUCATION AND TRAINING

2016–Present — Master Degree Programme in Digital Humanities
University of Pisa, Pisa (Italy)

Track: Language Technologies

Relevant courses:

Computational Linguistics, Introduction to Artificial Intelligence, Information Retrieval, Natural Language Processing, Applied Linguistics, Machine Learning

2013–2016 — Bachelor Degree Programme in Digital Humanities
University of Pisa, Pisa (Italy)

Grade: 110/110 cum laude

Final Project: "LISA: a Light Italian Semantic Analyzer"

Advisor: prof. Alessandro Lenci, Co-advisor: dott. Felice dell'Orletta

Abstract:

The purpose of this work is to develop a semantic super-sense tagger for italian names.
Both the necessity for a minimal yet linguistically acceptable classification, and the desire of one capable of capturing the properties of the linguistic argument realised by the entity, rather than properties of the entity itself, brought us to develop (at Computational Linguistics Laboratory, University of Pisa) the Light Semantic Ontology. Hence we derived a tagset to semi-automatically enrich an existing resource, morphosyntactically and syntactically processed.
Well known phoenomena such as metonymy produce here notable cases of ambiguity (e.g. "*Shakespeare* was a great author" – "*Shakespeare* is on the third shelf"). Our problem was therefore tackled as a supervised classification task, for which we used Linear Kernel Support Vector Machine.
Our results show how various sources of information contribute to the classification, especially as far as syntactic ad semantic features are concerned.
Deeper analysis will be conducted, regarding both classification errors and broader sources of knowledge that could be exploited.

Relevant courses:

General Linguistics, Computational Linguistics, Discrete Mathematics and Linear Algebra, Probability and Statistics

2007–2012 — Secondary School Diploma
Liceo Classico Mario Pagano, Campobasso (Italy)

Grade: 90/100

WORK EXPERIENCE

2015–2016 — Internship
Computational Linguistics Laboratory (CoLing Lab) – University of Pisa

Semi-automatic annotation of semantic supersenses in an italian corpus.

22/08/2016–14/10/2016	**Part-time Job**

SyNTHEMA s.r.l., Pisa (Italy)

Support during matriculation procedure at WIS! (Welcome International Students office at University of Pisa), concerning front office and document digitalization procedure.

28/07/2015–05/02/2016	**Part-time Job**

International Office - University of Pisa, Pisa (Italy)

Front office activity at WIS! (Welcome International Students office at University of Pisa).

PERSONAL SKILLS

Mother tongue(s)   Italian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
English C1	C2	C1	C1	C1
Certificate of Proficiency in English (CPE)				
German B1	B1	B1	B1	B1
Test onDaF (B1)				

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Job-related skills   Good knowledge of classification algorithm based on Support Vector Machines, Neural Networks.

Libraries:

Good knowledge of *nltk*. Knowledge of *scikit-learn*, *lucene*.

Programming Languages:

Good knowledge of Python, JavaScript, Java.

Basic knowledge of bash, SQL, php.

Good knowledge of XML (DTD, XPath, XSLT), good knowledge of regular expressions.

ADDITIONAL INFORMATION

Projects   **Participation in Semeval 2017**

Participation in Semeval-2017 Task 3 (Community Question Answering).

The project was a group project brought about during the Natural Language Processing course (prof. Giuseppe Attardi). The final model was based on Recurrent Neural Networks.

Courses   **Feb. 2017 –** Participation in TRIPLE Winter School (VII Edition), held by TRIPLE (Research Desk on Word and Lexicon) research laboratory at Roma Tre University. The theme for 2017 was: "Espansioni del Lessico. Nuove parole, nuovi formati, nuovi significati" (en. "Lexical expansions. New word, new formats, new meanings.")

2016 - present - Arabic language courses (60+ h)

2014 - Basic Chinese language course (30h)