



Michele Stingo

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WORK EXPERIENCE

SENIOR RESEARCH AND DEVELOPMENT SCIENTIST – ACTIVA DIGITAL – 09/2023 – Current – ROME, ITALY

Expert in knowledge representation through ontology and knowledge graph development (Protégé, Neo4j). Specializing in building agent-based systems using LangGraph for Retrieval-Augmented Generation (RAG) architectures integrated with Large Language Models (LLMs).

Experienced with IBM WatsonX and Azure Cognitive Services; adaptable to new platforms and technologies. Familiar with tools such as Colab, Kaggle Notebooks, Jupyter, Spyder, and the Anaconda ecosystem. Constantly updated on research trends in LLMs and conversational agent development.

- Independent research exploration of new concepts, technologies, and methodologies.
- Development of innovative solutions for complex scientific and technological challenges.
- Design and execution of experiments to validate new hypotheses and prototypes.
- Research and Development Team Leadership
- Research Collaboration and Grant Procurement

COMPUTATIONAL LINGUIST - SOFTWARE ANALYST - FRONT-END DEVELOPER - NETWORK CONTACTS – 08/2017 – 09/2023 – ROMA (RO), ITALY

- Linguistic Data Annotation
- Creation of Monolingual Corpora Focused on Specific Domains
- Evaluation of Lemmatizers, Part-of-Speech Taggers, and Syntactic Parsers
- Creation and Manipulation of Ontological Resources (OWL, XML, JSON)
- Development of mobile native apps (Flutter) and webapp (Angular)
- Writing and Reviewing Technical Documentation

FREELANCER – 02/2016 – Current

Web designing and SEO counseling

PHD RESEARCHER AND TEACHING ASSISTANT – UNIVERSITY OF SALERNO – 10/2016 – 03/2020 – SALERNO, ITALY

EDUCATION AND TRAINING

01/10/2016 – 08/03/2020 Salerno, Italy

PHD IN COMPUTATIONAL LINGUISTICS University of Salerno

- Conducting teaching activities and mentoring graduate/undergraduate students
- Enhancing AI industrial pipelines
- Improving pragmatic aspects of NLP solutions
- Creating linguistic corpora and electronic dictionaries

Field of study Computational Linguistic | **Level in EQF** EQF level 8 |

Thesis La Formalizzazione della Conoscenza Linguistica in Ambito Industriale Tecniche, algoritmi e risorse elettroniche a supporto del progetto Big Data for Multi-Agent Sepcialized System

Final Degree: 110/100 cum laude

Master Thesis: "***Computational Analysis on a Corpus of Political Satire Articles: A Theoretical and Experimental Study***".

Noticeable exams:

- Web Design: HTML5/CSS3; Bootstrap framework; User interface design. Final Grade: 30/30 cum Laude
- Computational Linguistics: Introduction to Prolog/Python. Final Grade: 30/30
- Advanced Computational Linguistics: Natural Language Toolkit suite (NLTK). Final Grade: 30/30 cum Laude
- Elements of Digital Publishing: XML - TEI-P5 guidelines. Final Grade: 30/30
- Sociolinguistics and Statistics: manual annotation of linguistic data. Final Grade: 30/30 cum Laude
- Methodology of Research in Language Acquisition and Teaching: statistical analysis of linguistic data. Final Grade: 30/30

Level in EQF EQF level 7

2009 – 2013 (SA), Italy

BACHELOR'S DEGREE IN LITERATURE AND PHILOSOPHY - MODERN LITERATURE CURRICULUM University of Salerno

Final Grade: 110/110 cum lode

Level in EQF EQF level 6

2006 Sarno (SA), Italy

HIGH SCHOOL DIPLOMA I.T.C. Guido Dorso

Final Grade: 90/100

Level in EQF EQF level 4**● LANGUAGE SKILLS**Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
FRENCH	B1	B2	A1	A1	A1
SPANISH	B1	B1	A1	A1	A1
ALBANIAN	A2	B1	A2	A2	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS TEST RESULTS

Information and data literacy	ADVANCED	Level 6 / 6
Communication and collaboration	ADVANCED	Level 6 / 6
Digital content creation	ADVANCED	Level 6 / 6
Safety	ADVANCED	Level 5 / 6
Problem solving	ADVANCED	Level 6 / 6

