



GUENDALINA CALDARINI

PROFILE

Excellent **NLG, ML, DL** and **LLMs**, knowledge gained through specialized education and professional experience

Good working knowledge of **Python, PHP, GitHub, GitLab, Tensorflow, Keras, AWS, Pytorch**, and **HuggingFace, DeepSpeed, GCP, Spark** and **CAT tools**

Teamwork, organization, and **communication** skills gained through organizing several volunteering projects

Multilingual and **multicultural** skills gained through living in 6 countries

Agile work methodology (**JIRA**)

CONTACTS

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www.towardsnlp.com

LANGUAGES

Italian – Mother tongue
English – Native level (trilingual)
French – Native level (trilingual)
Portuguese – Professional Level
Swedish – Intermediate
Spanish – Intermediate
German – Beginner

EDUCATION

University of Sunderland • UK • 2020 – 2024

PhD in Natural Language Processing and Deep Learning

University of Limerick • Ireland • 2016 – 2018

MSc in Multilingual Computing and Localisation – II Class Honours

WORK EXPERIENCE

Machine Learning Engineer • FactSet

January 2023 – Present • Paris, France

Translator • Freelance

June 2022 – Present • Paris, France

- Translated over 50,000 words within 6 months, meeting client's requirements in terms of quality, style and deadlines
- Successfully managed and delivered over 10 translation and localizations projects while developing a meaningful professional relationship with clients

NLP Engineer • TextCortex

June 2022 – January 2023 • Paris, France – Berlin, Germany

- Researched state-of-the-art machine learning/data science approaches applicable to text generation and language modelling
- Developed a DL algorithm for automated text generation evaluation within the first 2 weeks

NLP Engineer • LabSense

November 2018 – May 2022 • Paris, France

- Spearheaded the R&D department and investigated new research directions and their potential for novel, practical application to NLP-related tasks
- Launched and Conducted three DL research projects from start to finish within 6 months
- Designed DL algorithms that resulted in a 20% time-gain for client project on average
- Upgraded and localised the company's proprietary software from one language to 14 different languages
- Defined, Encoded and Programmed Natural Language rules in PHP and Python for Automated Text Generation in 14 languages

Management and Linguistic Experience

- Led the NLP Engineering team in developing cutting-edge methods and tools for text generation, analysis, and linguistics-based processes by providing the machine learning/data science knowledge necessary

- Recruited, Trained, and Managed a team of 5 in-house linguists plus a varying number of freelancers
- Architected Text Automation and Data Mining
- Spearheaded Software Localisation and Testing
- Streamlined Multilingual & Translation Project Management
- Ideated Language Resource Management

PUBLICATIONS

Caldarini, G.; Jaf, S.; McGarry, K. *A Literature Survey of Recent Advances in Chatbots*. **Information** **2022**, 13, 41.
<https://doi.org/10.3390/info13010041>

Caldarini, G., & Jaf, S. (2023). Recent Advances in Chatbot Algorithms, Techniques, and Technologies: Designing Chatbots. In *Trends, Applications, and Challenges of Chatbot Technology* (pp. 245–273). IGI Global. <https://doi.org/10.4018/978-1-6684-6234-8.ch011>