

Marco Gaido

@ marcogaido91@gmail.com +39 3482670470



About me

Researcher with a PhD in Computer Science specializing in speech-to-text translation systems. Proven track record of leading state-of-the-art research, publishing in top-tier venues (ACL, EMNLP, TACL), with experience mentoring researchers, leading large-scale experiments and projects, and translating research into impactful applications. Prior experience includes 2 years in software engineering and 4 years in big data systems.

Core Skills

large-scale training
deep learning
software quality
speech processing
big data

Contributed to

Apache Spark
PPMC of Apache Livy
Apache NiFi
NeMo
fairseq
tensorflow

Languages

Italian / Native
English / C1

Google Scholar

LinkedIn

GitHub

EXPERIENCE

- 01/2023–now
AI Researcher
FONDAZIONE BRUNO KESSLER · Trento, Italy 📍
Researcher on speech translation and efficiency, publishing 35+ papers in top-tier venues, contributing to open-source frameworks, and mentoring researchers.
- 05/2022–09/2022
AI Research Intern
META · Menlo Park, California, USA 📍
Developed and evaluated speech models for improving named entity accuracy.
- 03/2019–11/2019
Technical Lead
AGILE LAB · Torino, Italy 📍
Responsible for the architectural design and leading a team to implement big data solutions.
- 06/2017–12/2018
(Senior) R&D Software Engineer
HORTONWORKS · Budapest, Hungary 📍
Development, maintenance, and release of the Apache Spark, Apache Livy, and Apache NiFi components of the HDP (Hortonworks Data Platform). Become a Senior in June 2018.
- 03/2016–05/2017
Principal Big Data Developer
ECUBE · Torino, Italy 📍
Designed and implemented large-scale data processing architectures for enterprise applications, ensuring scalability and efficiency.
- 08/2015–03/2016
Big Data Developer
TECHNOLOGY REPLY · Torino, Italy 📍
Developer of Data Lake solutions.
- 09/2013–07/2015
Software Engineer
SIPAL · Torino, Italy 📍
Responsible for the maintenance and development of the web app for the company's business management. Manager of a team of 3 people in the second year.



DEGREES

- 11/2019–04/2023
PhD in Information and Communication Technology
UNIVERSITY OF TRENTO & FONDAZIONE BRUNO KESSLER · Trento, Italy 📍
Cum Laude. Thesis: Direct Speech Translation Toward High-Quality, Inclusive, and Augmented Systems. Authored 25+ papers including 2 ACL, 2 EMNLP, 2 TACL, 2 Interspeech.
- 09/2013–10/2015
Master of Engineering in Computer Science
POLITECNICO DI TORINO · Torino, Italy 📍
Final grade: 110/110. Thesis: Automation of the clustering process with Apache Spark platform.
- 09/2010–07/2013
Bachelor in Management and Engineering
POLITECNICO DI TORINO · Torino, Italy 📍
Final grade: 110/110 cum Laude.



AWARDS & GRANTS

- 2025 **PI of the IS CRA-B Cineca Grant** – For the project "LoST: Long-form Speech-to-Text Models via Sequence Compression".
- 2024 **ACL Outstanding Paper & Senior Area Chair Award** – For the paper "Speech Translation with Speech Foundation Models and Large Language Models: What is There and What is Missing?" at the A* conference ACL 2024.
- 2023 **The Anthony C. Clarke Award for the 2023 EAMT Best Thesis** – Best Thesis Award for a PhD or equivalent thesis on a topic related to machine translation.
- 2022 **IWSLT Best Paper Award** – For the paper "Who Are We Talking About? Handling Person Names in Speech Translation" at the IWSLT 2022 conference.
- 2021 **CLiC-it Best Paper Award** – For the paper "On Knowledge Distillation for Direct Speech Translation" at the CLiC-it 2020 conference.
- 2020 **COLING Outstanding Paper** – For the paper "Breeding Gender-aware Direct Speech Translation Systems" at the COLING 2020 conference.