



About Me

Birth Date: 1991/03/07

Current Location: Glasgow - UK

Nationality: Italian/Australian

Spoken Languages:

- Italian: native speaker
- English: full professional proficiency

Research Interests

Current Research: Conversational AI, Multi-modal and Contrastive Learning, Music Information Retrieval

Others: Reinforcement Learning, NLP, ML Foundations

Contacts

Telephone: +39 346 620 7414,
+44 7308 132693

Email: fedingo@gmail.com

Github: <https://github.com/fedingo>

Semantic Scholar: [Link](#)

Technical Skills

Programming Languages:

Python, C/C++, JS, Java, SQL

Libraries:

Pytorch, Keras, gRPC, protobuf,
Numpy, TorchAudio

Developer Tools:

Docker, AWS DynamoDB, AWS
CloudWatch, Alexa SDK

FEDERICO ROSSETTO

TL;DR

I am a PhD student at the University of Glasgow. I work with MultiModal Systems. I won the Alexa Prize TaskBot Challenge and the Fujitsu AI-NLP Challenge.

EDUCATION

- [Oct-2019/Present] PhD in Computer Science - ConvAI Supervised by Jeff Dalton. University of Glasgow - UK
- [Sept-2017/Sept-2019] Msc Computer Science - AI Curriculum GPA: 30/30, Grade: 110/110 Cum Laude. University of Pisa - IT
 - Studies abroad: 1 year in Germany [Erasmus+]
- [Sept-2013/Dec-2016] Bsc Computer Science GPA: 26.6/30, Grade: 107/110. University of Padua - IT

WORK EXPERIENCE

- [Feb-2019/Aug-2019] Master Thesis (Python) Memory Augmented Neural Networks in Reinforcement Learning. Collaboration with Dr. A. Melnik and Dr. D. Bacciu
- [Jan-2017/Jun-2017] Software Developer (C#-Js-Java) Maintenance and development of banking software. Lynx spa, Padua - IT
- [Jul-2016/Oct-2016] College Internship (C) Development of a speech engine using Natural Language Processing and Machine Learning tools. Mivoq srl, Padua - IT

ACCOMPLISHMENTS

- Winner of the Alexa TaskBot Challenge 2021/2022. Deputy Team Lead for the GRILL team. Created GRILL-Bot, a multi-modal task-oriented virtual assistant
- Winner of the Fujitsu AI-NLP Challenge 2018. Created a state-of-the-art Answer Sentence Selection system together with 2 fellow Master's students
- Stage-it 2016 Award Finalist
- Bronze medal in the National Math Olympics 2009 and 2011
- 1° place in the "Alpe Adria" Math Competition 2010

PUBLICATIONS

- "GRILLBot: An Assistant for Real-World Tasks with Neural Semantic Parsing and Graph-Based Representations" (Alexa Proceedings 2022) [\[Link\]](#)
- "Relevance Transformer: Generating Concise Code Snippets with Relevance Feedback" (SIGIR 2020) [\[Link\]](#)
- "A Comparative Study of Models for Answer Sentence Selection" (CLiC-it 2019) [\[Link\]](#)
- "Cross Attention for Selection-based Question Answering" (NL4AI Workshop 2018) [\[Link\]](#)
- "MusicBERT - learning multi-modal representations for music and text" (NLP4MUSA 2020) [\[Link\]](#)