

Quintino Francesco Lotito | CV

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📄 github.com/FraLotito

Education

University of Trento

BSc in Computer Science, GPA: 28.4 / 30

Trento, Italy

Sep 2016 – present

Experience

University of Trento

Research intern

Trento, Italy

Feb 2019 – present

- Supervised by prof. Alberto Montresor.
- Studied and proposed novel algorithms for mining cohesive structures in temporal graphs.
- Worked on my Bachelor's Thesis.

SpazioDati

Data scientist intern

Trento, Italy

Jun 2018 – Sep 2018

- Developed a package of tools to process and enrich data of Italian public tenders from a real-time source.
- Designed and implemented a recommender system (public tenders to companies).

FBK - Fondazione Bruno Kessler

Research intern

Trento, Italy

Jun 2017 – Dec 2017

- Joined the Neural Machine Translation lab.
- Developed algorithms to improve the quality of zero-shot translations in multilingual NMT models in a low-resource scenario.
- Participated in the IWSLT 2017 shared tasks about multilingual NMT.
- Investigated weakly-recurrent units for Recurrent Neural Networks

Teaching

University of Trento

Tutor for the ACM - ICPC

Trento, Italy

Mar 2019 – Present

- Taught weekly classes on Algorithms and Data Structures for programming competitions to students in Computer Science and Mathematics.

Galileo Galilei High School

Tutor for the Olympiad in Informatics

Trento, Italy

Jan 2018 – Present

- Taught weekly classes on Algorithms and Data Structures for programming competitions to High School students.

Awards

Best student paper award: International Workshop on Spoken Language Translation 2017.

Publications

- S. M. Lakew, Q. F. Lotito, M. Turchi, M. Negri and M. Federico, *"Improving Zero-Shot Translation of Low-Resource Languages"* in Proceedings of the 14th International Workshop on Spoken Language Translation (IWSLT), Tokyo, Japan, 2017. **[Best student paper award]**
- S. M. Lakew, Q. F. Lotito, M. Turchi, M. Negri and M. Federico, *"FBK's Multilingual Neural Machine Translation System for IWSLT 2017"* in Proceedings of the 14th International Workshop on Spoken Language Translation (IWSLT), Tokyo, Japan, 2017.

Technical skills

Programming languages: Python, C/C++, Java.

Machine Learning and Data Science libraries: PyTorch, Scikit-learn, NumPy, Pandas.

Programming competitions

Vodafone TOBi Hack: 1st / 10 teams (Trento, 2019)

- Hackathon with a focus on Artificial Intelligence and Conversational Agents organized by Vodafone.
- My team developed algorithms to make Vodafone's digital assistant context-aware and algorithms to predict the context of future messages.

Google Hash Code: 183th / 7000+ teams (online, 2019)

- Team programming and algorithmic competition organized by Google for students and professionals around the world.

Bioinformatics Contest: 68th / 3500+ (online, 2019)

- Algorithmic and data analysis competition organized by the Bioinformatics Institute and the ITMO University with a focus on Bioinformatics.

ACM - ICPC: 26th / 89 teams (Southwestern Europe Regional Contest, Paris, 2018)

- Programming and algorithmic competition among the universities of the world.
- Won the local competition at the University of Trento in 2017 and 2018.

Italian Olympiad in Informatics: bronze medalist, 35th / 10000+ (Salerno, 2013)

- Programming and algorithmic competition among High School students in Italy.