

# Quintino Francesco Lotito | CV

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## 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

- 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

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- 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

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

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

## Selected results in programming competitions

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**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 with a focus on Bioinformatics organized by the Bioinformatics Institute and the ITMO University.

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

- Team programming and algorithmic competition among the universities of the world.
- Represented the University of Trento in 2017, 2018 and 2019.

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

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