

Quintino Francesco Lotito | CV

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Education

University of Trento

MSc in Computer Science

Trento, Italy

Sep 2019 – present

- Expected graduation date: July 2021

University of Trento

BSc in Computer Science

Trento, Italy

Sep 2016 – Sep 2019

- Thesis: "Mining maximal (k, Δ) -trusses from temporal graphs".
 - Advisor: prof. A. Montresor.
 - Abstract: we defined the concept of (k, Δ) -truss in temporal graphs (a temporal generalization of the k -truss) and proposed algorithms to efficiently extract the maximal ones.

Experience

FBK - Fondazione Bruno Kessler

Research intern

Trento, Italy

Jun 2019 – Sep 2019

- Joined the Technology of Vision Research Lab.
- Studied the state of the art of geometric deep learning and 3D object detection from point clouds.

SpazioDati

Data scientist intern

Trento, Italy

Jun 2018 – Sep 2018

- SpazioDati applies semantic text analysis and machine learning models on massive amounts of corporate data to provide services of sales intelligence to thousands of small and big companies in Italy.
- Developed a package of tools to process and enrich data of Italian public tenders coming from a real-time source.
- Designed and implemented a recommender system (open public tenders to companies).

FBK - Fondazione Bruno Kessler

Research intern

Trento, Italy

Jun 2017 – Dec 2017

- Joined the Neural Machine Translation Research Lab.
- Developed deep learning architectures and algorithms to improve the quality of zero-shot translations in multilingual neural machine translation models in a low-resource scenario.

Teaching

Tutor for the ICPC: trained the students from the University of Trento participating in the ICPC programming competition (2019, 2020).

Tutor for the Olympiad in Informatics: trained the students from Trentino participating in the Italian Olympiad in Informatics programming competition (2018 to 2020).

Awards

Mentee at LeadTheFuture: among the few Italian students selected to be mentees for LeadTheFuture, a leading mentorship non-profit organization for students in STEM, with acceptance rate below 20% (2019).

First prize: Vodafone TOBi Hack, hackathon organized by Vodafone at the University of Trento with a focus on AI and chatbots, 10 teams participated (2019).

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

Bronze medalist: Italian Olympiad in Informatics, 35th out of ~10000 participants (2013).

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.

Other results in programming competitions

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

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

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

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

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

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