Cristian Boldrin

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Curriculum Vitae (last update: Oct, 2024)

CURRENT POSITION

Ph.D. Student in Information Engineering at University of Padova, Italy.

- Research Topics: Data Mining, Machine Learning and Network Analytics.
- Advisor: Prof. Fabio Vandin.

EDUCATION

Ph.D. in Information Engineering.   Oct. 2023 – Current
University of Padova, Italy.

- Advisor: Prof. Fabio Vandin.

M.S. in Computer Engineering *(Laurea Magistrale), summa cum laude.*   Sept. 2021 – Sept. 2023
University of Padova, Italy. GPA: 29.24 (over 30).

- Thesis Title: *"Counting Triangles in Graph Streams using Machine Learning Predictions"*.
- Advisor: Prof. Fabio Vandin.

B.S. in Computer Engineering *(Laurea Triennale), 110/110, summa cum laude.*   Sept. 2018 – July 2021
University of Padova, Italy. GPA: 28.36 (over 30).

- Thesis Title: *"Attitude Control of an Artificial Satellite"*, in Italian.
- Advisor: Prof. Sandro Zampieri.

High School Diploma in Information Technology, *96/100.*   Sept. 2013 – June 2018
I.T.I.S. Carlo Zuccante, Mestre (VE), Italy.

PUBLICATIONS

[1] **C. Boldrin** and F. Vandin, "Fast and accurate triangle counting in graph streams using predictions", *to appear at 2024 IEEE International Conference on Data Mining* (**ICDM 2024**), 2024. (10,9 % acceptance rate for regular papers.)

THESIS

[1] **C. Boldrin** and F. Vandin, "Counting Triangles in Graph Streams using Machine Learning Predictions", *M.S. Thesis (2023)*. https://thesis.unipd.it/handle/20.500.12608/50905.

INVITED TALKS

- *Fast and Accurate Triangle Counting in Graph Streams Using Predictions*, International Workshop on Scalable Approaches to High Performance Computing (ScalPerf), Bertinoro, Italy.   26th September 2024

Teaching

- **Teaching Assistant** at University of Padova, Italy   Fall 2024
  Machine Learning - Master Degree Course.
  Laboratory Lectures, teaching on Machine Learning, Fundamental of Probability and Python Programming.
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Software Packages

- TONIC, a fast and efficient algorithm for counting triangles in (insertion-only and fully dynamic) graph streams, using predictions. `https://github.com/VandinLab/Tonic`.

Experience

Erasmus+ Project   May 2017 – June 2017
Valencia, Spain

- Intensive Spanish course at AIP Language Institute.
- IT Assistant and Web Developer at Codytel.

Move 2.0 Project   July 2016 – Aug. 2016
Portsmouth, England

- English Skills and Job Opportunities in Web Marketing, Teaching Activity.

Languages

- **Italian:** Native Speaker.
- **English:** Language Proficiency level B2.
- **Spanish:** Language Proficiency level A1.

Scholarships and Awards

- "Mille e una Lode" Award Winner in 2022, University of Padova.   2022
  Merit Awards worth €1,000.00 for the best students of the degree course.
- "Mille e una Lode" Award Winner in 2021, University of Padova.   2021
  Merit Awards worth €1,000.00 for the best students of the degree course.

Extracurricular Activities

- Blood Donor at *Associazione Volontari Italiana Sangue* (AVIS).   2023 – Current