GIULIA PRETI

Data Scientist

ABOUT

My research interests include the detection of relevant structures in heterogeneous and temporal data, and in particular, finding relevant patterns in simple and complex networks, and dense correlated subgraphs in dynamic graphs.

AREAS OF EXPERTISE

- *Data Mining*
- *Big Data Analytics*
- *Graphs and Social Network Analysis*
- *Complex Networks*

PROGRAMMING SKILLS

- *Python, Java, Bash, Git*
- *Familiar with Spark, Scala, HTML, CSS, JavaScript*

SOFT SKILLS

- *Focus on multiple projects*
- *Organize/coordinate tasks in team*
- *Organize and present ideas*
- *Write technical reports (Latex, Word)*
- *Work in multicultural environments*

CONTACTS

preti814@gmail.com
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ACADEMIC BACKGROUND

Doctoral Degree in Information and Communication Technology
University of Trento, 2015 - 2019
Under the supervision of Prof. Yannis Velegrakis.
Thesis on the topics of Graph Mining, Weighted Graphs, Dynamic Graphs, Entity Resolution, Temporal Databases.

Master's Degree in Computer Science
University of Trento, 2013 - 2015
Graduated Summa Cum Laude.
Thesis on the topic of User-centric Graph Pattern Mining.

Bachelor's Degree in Mathematics
University of Trento, 2009 - 2013
Thesis on the topic of Social Network Analysis.

WORK EXPERIENCE

POST-DOC RESEARCHER
ISI Foundation, Turin, Italy
2020 - 2022
Algorithms for simple graphs and complex networks.
Industrial research with the Intesa San Paolo group.

TEACHING ASSISTANT
University of Trento, Trento, Italy
2015 - 2018
Computability and Computational Complexity.

VISITING RESEARCHER
Aalto University, Espoo, Finland
May - September 2018
3 months research internship with Prof. Aristides Gionis.
Founded by the SoBigData TNA Program.
Project on dense subgraph mining in dynamic graphs.

VISITING RESEARCHER
Laboratoire de Recherche en Informatique, Orsay, France
July - September 2017
3 months research internship with Prof. Nathalie Pernelle.
Project on entity resolution in heterogeneous databases.

REVIEWER
CIKM, PKDD, ICDM, KDD, SDM, WSDM, WWW, TKDD, TKDE

PUBLICATIONS
https://lady-bluecopper.github.io/#publications