

ACADEMIC BACKGROUND:

UNIVERSITY OF TRENTO

Doctoral Degree in Information and Communication Technology

2015 - 2019

Under the supervision of Prof. Yannis Velegrakis.

Thesis on the topics of Big Data Analytics, Graph Mining, Weighted Graphs, Dynamic Graphs, Entity Resolution, Temporal Databases.

Master's Degree in Computer Science

2013 - 2015

Graduated Summa Cum Laude.

Thesis on the topic of User-centric Graph Pattern Mining.

Bachelor's Degree in Mathematics

2009 - 2013

Thesis on the topic of Social Network Analysis.

WORK EXPERIENCE:

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

JOGO 2019, FGCS 2019, KDD 2019

PUBLICATIONS:

ExCoDE: a Tool for Discovering and Visualizing Regions of Correlation in Dynamic Networks

Giulia Preti, Polina Rozenshtein, Aristides Gionis, Yannis Velegrakis

To appear in ICDMW 2019

Mining Patterns in Graphs with Multiple Weights

Giulia Preti, Matteo Lissandrini, Davide Mottin, Yannis Velegrakis

Invited paper to the first DAPD special issue on EDBT 2018

Beyond Frequencies: Graph Pattern Mining in Multi-weighted Graphs

Giulia Preti, Matteo Lissandrini, Davide Mottin, Yannis Velegrakis

EDBT 2018

GIULIA PRETI

Data Scientist

ABOUT:

My research interests include the detection of relevant structures in heterogeneous and temporal data, and in particular, finding high-scoring patterns in multi-weighted graphs, finding dense correlated subgraphs in dynamic graphs, and entity resolution in heterogeneous temporal databases.

AREAS OF EXPERTISE:

- Data Mining
- Graph Mining
- Big Data Analytics
- Social Network Analysis
- Recommending Systems

PROGRAMMING SKILLS:

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

OTHER SKILLS:

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

REFERENCES:

Yannis Velegrakis: i.velegrakis@uu.nl

Aristides Gionis: aristides.gionis@aalto.fi

Alberto Montresor: alberto.montresor@unitn.it

Davide Mottin: davide@cs.au.dk

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