Tommaso **Piselli**

01/09/2023

Current Position

Since November 2022, I am a PhD Student at the University of Perugia, Department of Engineering, Perugia, Italy

Skills

DevOps	Docker, Github
Front-end	HTML, CSS, Javascript, Tailwind, React
Programming	Node.js, Python, JAVA, C, LaTeX
Game Engine	Unreal Engine 4, Unity
Languages	Italian, English

Education

University of Perugia
Perugia, Italy

MASTER DEGREE IN ROBOTICS AND COMPUTER SCIENCE
Aug. 2015 - Feb. 2019

- 110/110 cum Laude
- Thesis: *"Parameterized Algorithms for Graph Clustering Problems"*
- Relator: Prof. Fabrizio Montecchiani

University of Perugia
Perugia, Italy

BACHELOR DEGREE IN INFORMATIC ENGINEERING
Feb. 2019 - Jun. 2022

- 104/110
- Thesis: *Training models using Recurrent Convolutional Neural Networks for recognizing the Italian Sign Language (LIS) in applications involving interactions between robots and humans.*
- Relator: Prof. Gabriele Costante

Research Interests

My research focuses on the design and development of graph algorithms and software systems for the visual analysis of complex data sets, with particular attention to the reduction of the visual complexity of such networks. My research interests span across the following fields:

- Parameterized Complexity;

- Theoretical Computer Science;

- User Interface and Data Visualization;

- Graph drawing and its applications;

- Graph Algorithms.

Attended Conferences and Workshops

ICTCS 23
Palermo, Italy

"ON THE PARAMETERIZED COMPLEXITY OF COMPUTING st-ORIENTATION WITH FEW TRANSITIVE EDGES"
Sept. 2023
  Work presentation.

BWGD 23
Bertinoro, Italy

BERTINORO WORKSHOP ON GRAPH DRAWING
March 2023
  Fairness on Graph Drawing with: P. Eades, G. Liotta, F. Montecchiani, M. Nöllenburg, S. H. Hong, S. Wismath

SOFSEM 23
Novy Smokovek, Slovakia

"ON THE PARAMETERIZED COMPLEXITY OF THE $\aleph$-CLUB CLUSTER EDGE DELETION PROBLEM"
Jan. 2023
  Work presentation.

Teachings

University of Perugia *Perugia, Italy*
TUTOR @ FONDAMENTI DI INFORMATICA *Sept. 2022 - July 2023*
- Tutor for the starter programming course of *"Fondamenti di Informatica"*. First Semester: C - Second Semester: Java.

Publications

Journals

2023 **On the parameterized complexity of s-club cluster deletion problems**, F. Montecchiani, G. Ortali, T. Piselli, A. Tappini *Theoretical Computer Science*

Conferences

2023 **On the Parameterized Complexity of Computing st-Orientations with Few Transitive Edges**, C. Binucci, G. Liotta, F. Montecchiani, G. Ortali, T. Piselli *MFCS*