Marco Tais

Date and place of birth: 22/04/1995 - Rome (RM), Italy
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Portfolio: https://d-mensio.github.io/

Work Experience

Oct. 2020-April 2021 — **Analyst Consultant at Capgemini, Insight & Data Practice**

- Designed, tested, and implemented automated jobs in an ETL pipeline
- Managed the migration of a large number of database structures
- Participated in the writing and maintenance of internal documentation
- Participated in project meetings and closely collaborated with other internal and external project members

Education

2017-2020 — **Master's Degree in Computer Engineering**
Università degli Studi Roma Tre, Rome (Italy)
Thesis: "Visualization of the structure of large networks"
Qualification obtained in the a.y. 2018/2019 on 18/03/2020.
Final mark: 110 with honors

2014-2017 — **Bachelor's Degree in Computer Engineering**
Università degli Studi Roma Tre, Rome (Italy)
Thesis: "Support system for predicate logic exercises – Conversion to clause form and resolution exercises"
Qualification obtained in the a.y. 2016/2017 on 22/12/2017.
Final mark: 110 with honors

2009-2014 — **Liceo scientifico Stanislao Cannizzaro, Rome (Italy**)
Qualification obtained in the a.y. 2013/2014.
Final mark: 100/100

Publications

2020-2021 — **Schematic Representation of Large Biconnected Graphs**
Co-authored and published journal article with professors: Giuseppe Di Battista, Fabrizio Frati, Maurizio Patrignani.
Journal of Graph Algorithms and Applications, 25(1), 311–352
http://dx.doi.org/10.7155/jgaa.00560

Projects

2021 — **Ashto**
Abstract 2D puzzle game for Android.
Unity, C#
https://mensi0.itch.io/ashto
https://github.com/D-Mensio/Ashto

2020 — **Lambda architecture**
Development and testing of a lambda architecture for management and analysis of data streams in the field of Big Data.
Python, Docker, HDFS, Kafka, Spark, Storm
https://github.com/andrea-pustina/bigdata_lambda_architecture

2019 — **Ground vibration analysis via Machine Learning**
Development, training and testing of a Support Vector Machine for analysis and classification of vibrations detected in the ground via Machine Learning.
Python, scikit-learn

Skills and interests

Languages

Italian (native speaker), English (C1)

Core Skills

- Working knowledge of Unity and C#
- Strong general programming skills and understanding of OOP
- Experience with database and ETL pipeline development using OracleDB/MySQL and IBM DataStage

Other fields I had the opportunity to explore during my course of study include:

- Design of software systems architecture
- Artificial Intelligence and Machine Learning
- Big Data
- Web application development
- Computer networks

I am familiar with the following programming languages: C#, Python, C++, Javascript, Java

Soft Skills

- Good problem-solving skills
- Well organized and able to work independently
- Collaborative and team oriented
- Curious and keen on learning and exploring new subjects and technologies

Hobbies

I am passionate about videogames, manga and anime. I also enjoy drawing, making bread, juggling and cycling.