

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

Projects

- 2021** **Ashto**
Abstract 2D puzzle game for Android.
Unity, C#
<https://mensi0.itch.io/ashto>
- 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>
- 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
- 2019** **Ground vibrations 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	<ul style="list-style-type: none">▪ 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 <p>Other fields I had the opportunity to explore during my course of study include:</p> <ul style="list-style-type: none">▪ Design of software systems architecture▪ Artificial Intelligence and Machine Learning▪ Big Data▪ Web application development▪ Computer networks <p>I am familiar with the following programming languages: C#, Python, C++, Javascript, Java</p>
Soft Skills	<ul style="list-style-type: none">▪ 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.

I authorize the processing of personal data contained in my curriculum vitae according to art. 13 of the Lgs. 196/2003 and art. 13 GDPR 679/16.