



# Gianmaria Del Monte



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Terracina (LT) - Italy



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Gianmaria Del Monte



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## Skills

Java



C



Python



Bash



Networks



Databases (SQL, NoSQL)



DevOps



Design patterns



Problem solving



Communication



Team leadership



## Languages

Italian



English



## About me

Graduated in Computer Engineering with honors, I am interested in data integrity, cloud, networks, data management, big data and software design and development. Having a strong communication and leadership gained in university projects. I am a great problem solver, quickly learner, mastering new technologies. I am able to work both in a team and using own initiative.

## Education

- 2019-2020 M.Sc. in Computer Engineering Roma Tre University  
Thesis title: *Scaling blockchains without giving up decentralization and security*  
Thesis supervisor: Prof. Maurizio Pizzonia  
Final mark: 110/110 with honors
- 2016-2018 B.Sc. in Computer Engineering Roma Tre University  
Thesis title: *Implementation of an efficient protocol for data integrity on Cloud*  
Thesis supervisor: Prof. Maurizio Pizzonia  
Final mark: 110/110 with honors

## Work experiences

- 2019 University 4.0 Roma Tre University  
Designed an application for students of Roma Tre University.
- 2018-2020 Tutor Roma Tre University  
Tutor for first years students teaching C and Java, basic algorithms and data structures, recursion, memory allocation.

## Projects

- 2020 Lambda Architecture Big Data Processing  
Implementation of a lambda architecture to make analysis on Stack Overflow dataset, automatically deployed on AWS EMR, through bash scripts. Batch and streaming layer are realized using Spark and Spark Streaming, respectively.
- 2018 Pipeline Integrity Cybersecurity  
Implementation of an efficient protocol for data integrity, realized with actor model, using Akka Framework and Kotlin.
- 2018 R3busFormazione Web Application  
A web application to manage a training centre, automatically deployed on Heroku through CircleCI, realized in Spring Boot and Java.

## Awards

- 2019 3rd place in local competitions of CyberChallenge 2019
- 2018 Luca Raso scholarship for best students enrolled in Master's degree in Computer Engineering at Roma Tre University.
- 2016 Scholarship for best average grade in the Engineering Department of Roma Tre University.

## Publications

- 2020 Del Monte, Gianmaria, Diego Pennino, and Maurizio Pizzonia. "Scaling Blockchains Without Giving up Decentralization and Security." *In proceeding of 3rd Workshop on Cryptocurrencies and Blockchains for Distributed Systems CryBlock (2020)*.