



Gianmaria Del Monte

- 12 December 1996
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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

Relevant exams

Cybersecurity: 30 with honors
 Software architectures: 30 with honors
 Parallel and distributed programming: 30 with honors
 Databases 1/2: 30
 Big Data: 30

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)*.

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