



Gianmaria Del Monte

Software Engineer



12 December 1996



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About me

Graduated in Engineering in Computer Science with honors, I am interested in software development, focusing on analysis, design, development, testing and documentation. 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.

Skills

HARD SKILLS

Advanced: Java, C, Python, Julia
Intermediate: Kotlin, IA32, PostgreSQL, MongoDB, Corona SDK, Akka, OpenCL, Git, Bash, Awk, Katharà/Netkit
Basis: Flutter, LaTeX, AWS, Spark, Hive, Hadoop

SOFT SKILLS

Problem solving: thanks to the master degree in Engineering in CS
Communication skill: thanks to tutor experience for the Fundamentals of Computer Science course in my university
Team leader: thanks to university projects

Education

- 2019-2020 M.Sc. in Engineering in Computer Science Roma Tre University
Thesis title: *Scaling blockchains without giving up decentralization and security*
Thesis supervisor: Prof. Maurizio Pizzonia
Final mark: 110/110 cum laude
- 2016-2018 B.Sc. in Engineering in Computer Science Roma Tre University
Thesis title: *Implementation of an efficient protocol for data integrity on Cloud*
Thesis supervisor: Prof. Maurizio Pizzonia
Final mark: 110/110 cum laude
- 2011-2015 Scientific High school Terracina
Grade: 100/100

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)*. To appear.

Awards

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

Projects

- 2018 GelCube Mobile game
A 2D platform game for both Android and iOS.
- 2018 R3busFormazione Web Application
A web application to manage a training centre, deployed on Heroku.
- 2018 Pipeline Integrity Cybersecurity
Implementation of an efficient protocol for data integrity, realized with actor model, using Akka Framework and Kotlin, for my bachelor thesis.
- 2020 Lambda Architecture Big Data Processing
Implementation of a lambda architecture to make analysis on Stack Overflow dataset, deployed on AWS EMR.

Relevant exams

- Software analysis and design: 26
Software architectures: 30 with honors
Mobile computing: 30 with honors
Object oriented programming: 30 with honors
Parallel and distributed programming: 30 with honors
Databases 1/2: 30
Functional programming: 30 with honors

Interests

Playing violin, classical music, etnical music, technology, Arduino

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