

Andrea Moschetto

Software Engineer and Data Science Student
Catania, Sicily, Italy

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SOFTWARE ENGINEER AND DATA SCIENCE STUDENT

Proficient software engineer developing efficient and optimized software solutions for distributed web micro-services. Data Science Student at University of Catania.

WORK EXPERIENCE

Computer Science Tutor

University of Catania

Oct 2024 – Present

Catania, Sicily, Italy

Tutoring activities for the course "Fondamenti di Informatica"

- Computational Models
- Formal Languages
- Functional Programming
- Logic

Software Engineer and Developer

Herakel

Jan 2023 – Aug 2023

Remote – Catania, Sicily, Italy

Proficient in Python programming for developing efficient and optimized software solutions involving:

- Distributed Systems
- Microservices
- Event Streaming
- REST API
- Integration and UnitTest

EDUCATION

M.S. University of Catania - (in progress)

Master of Science in Computer Science

Catania, Sicily, Italy

Oct 2023 – Present

B.S. University of Catania

Bachelor of Science in Computer Science

Grade: 110/110 cum Laude

Thesis: Efficient Online String Matching Based on Character Distance Sampling

Catania, Sicily, Italy

Oct 2018 – Mar 2024

Archimede Technical Institute

Diploma in Technical Computer Science

Catania, Sicily, Italy

Set 2013 – Jul 2018

PUBLICATIONS

- 2024** Simone Faro, Francesco Pio Marino, Andrea Moschetto, Arianna Pavone, and Antonio Scardace. The Great Textual Hoax: Boosting Sampled String Matching with Fake Samples. In 12th International Conference on Fun with Algorithms (FUN 2024). Leibniz International Proceedings in Informatics (LIPIcs), Volume 291, pp. 13:1-13:17, Schloss Dagstuhl – Leibniz-Zentrum für Informatik (2024)

AWARDS

- 2018/19 Academic Scholarships, ERSU
- 2019/20 Academic Scholarships, ERSU
- 2020/21 Academic Scholarships, ERSU

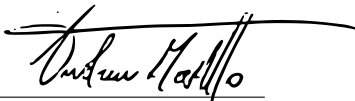
INTERESTS AND STUDIES

- Large scale Software Engineering, Design Patterns
- Algorithms, String Matching, Code Optimization, Computational Complexity
- Game Development, Unity, Web Game Engines
- AI, Machine Learning, Deep Learning

TECHNICAL SKILLS

Languages	: C, C++, C#, Java, JavaScript, Typescript, Python, PHP
WebDev	: Alembic, PyTest, FastApi, DependencyInjector, Laravel, Express, Node.js, HTML, CSS, SQL, Apache
GameDev	: Unity
Dev Ops	: Docker, Docker-Compose, Kafka, Kubernetes
Dev Tools	: Visual Studio Code, Git, Gitlab, Github

I authorize the processing of my personal data pursuant to Legislative Decree 101/2018 and art. 13 GDPR (EU Regulation 2016/679) for the purposes of personnel research and selection.



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Mar 2024