



Edoardo Marangone

EDUCATION AND TRAINING

11/2021 – 09/2025 Rome, Italy

PH.D. IN COMPUTER SCIENCE Sapienza University of Rome

10/2017 – 03/2021 Udine, Italy

MASTER OF SCIENCE IN COMPUTER SCIENCE University of Udine

Final grade 110/110 cum laude

09/2013 – 10/2017 Udine, Italy

BACHELOR OF SCIENCE IN COMPUTER SCIENCE University of Udine

Final grade 86/110

09/2008 – 07/2013 Udine, Italy

SECONDARY SCHOOL DIPLOMA IN SCIENTIFIC HIGH SCHOOL Liceo Scientifico Statale Giovanni Marinelli

Final grade 64/100

WORK EXPERIENCE

 **REPLY (BLOCKCHAIN REPLY) – MILAN, ITALY**

CONSULTANT AND FULL STACK DEVELOPER – 04/2021 – 10/2021

QUALIFICATIONS

17/11/2021

Italian professional qualification as Information Engineer

LANGUAGE SKILLS

Mother tongue(s): **FRIULIAN** | **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DRIVING LICENCE

Driving Licence: AM

Driving Licence: B

PROGRAM COMMITTEES AND REFERRALS

10/2023

Organizer - International Conference on Process Mining (ICPM) - 2023

Member of the organizational board of ICPM 2023. <https://icpmconference.org/2023/>

● CONFERENCES AND SEMINARS

09/2022 Munster, Germany

20th International Conference on Business Process Management (BPM 2022)

09/2023 Utrecht, the Netherlands

21th International Conference on Business Process Management (BPM 2023)

10/2023 Rome, Italy

5th International Conference on Process Mining (ICPM 2023)

10/2023 Groningen, the Netherlands

27th International Conference on Enterprise Design, Operations and Computing (EDOC 2023)

16/12/2021 Rome, Italy

"Cross-gallery analysis of blockchain art market" Seminar for the Blockchain and Distributed Ledger Technologies course for the Master of Science in Computer Science and Cybersecurity at Sapienza University of Rome

14/09/2022 Münster, Germany

"Fine-Grained Data Access Control for Collaborative Process Execution on Blockchain" at the 20th International Conference on Business Process Management (BPM 2022) Blockchain, RPA, and CEE Forum, University of Münster, Münster, Germany

11/01/2023 Groningen, the Netherlands

"MARTSIA: Enabling Data Confidentiality for Blockchain-based Process Execution" [3] at the 27th International Conference on Enterprise Design, Operations and Computing (EDOC 2023), University of Groningen, Groningen, the Netherlands

13/12/2023 Rome, Italy

"Enabling data confidentiality with public blockchains" Seminar for the Blockchain and Distributed Ledger Technologies course for the Master of Science in Computer Science and Cybersecurity at Sapienza University of Rome

● SUMMER SCHOOLS

07/2018

Logic Colloquium 2018

Udine, Italy

06/2022

Challenges in building Billion Users Cloud Applications (BUCA)

Bertinoro, Italy

07/2022

First Summer School on Process Mining

Aachen, Germany

● NATIONAL AND INTERNATIONAL PROJECTS

2023 - 2024

Project for Research Grant - Type 1 [Progetti per Avvio alla Ricerca - Tipo 1]

Principal investigator

Winner of the Progetti per Avvio alla Ricerca - Tipo 1 [Project for Research Grant - Type 1] 2023 call of Sapienza University of Rome, Italy. Title of the project: Enabling Data Confidentiality with Public Blockchains. Funding: 1000€

2022 - 2023

Sapienza research project "Distributed Ledger and Credit Guarantee Schemes"

Project proponent and Research staff member

Sapienza research project “Distributed Ledger and Credit Guarantee Schemes” with the Departments of Computer Science and Management of Sapienza University of Rome, Italy. Funding: 33 890€

2022 – 2023

PRIN research project “exPlainable kNowledge-aware PrOcess INTelligence (PINPOINT)”

Research staff member

PRIN research project “exPlainable kNowledge-aware PrOcess INTelligence (PINPOINT)”, grant number (CUP) B87G22000450001 with the Department of Computer Science of Sapienza University of Rome, Italy. Total funding: 794 578€ (Sapienza: 182 809€)

2022 – 2023

Cyber 4.0 competence centre research project “Blockchain register for Import Export (BRIE)”

Research staff member

Cyber 4.0 competence centre research project “Blockchain register for Import Export (BRIE)”, core pillar framework, with the Department of Computer Science of Sapienza University of Rome, Italy. Total funding: 179 000€ (Sapienza: 32 000€).

● **SUPERVISION**

Co-supervisor

1 thesis for the Master of Science in Computer Science at Sapienza University of Rome, Italy,
1 thesis for the Master of Science in Cybersecurity at Sapienza University of Rome, Italy.

● **COMPUTING LANGUAGES**

Stand-alone

Python, Go, Bash, Solidity, PyTeal, Java SE, R, Erlang, Haskell, Answer Set Programming, MiniZinc, GitHub, Docker

Web, mark-up

PHP, JavaScript, Java EE, HTML, CSS, XML, LATEX

Querying

SQL

● **PUBLICATIONS**

2024

[**CAKE: Sharing Slices of Confidential Data on Blockchain**](#)

Edoardo Marangone, Michele Spina, Claudio Di Ciccio, and Ingo Weber. “CAKE: Sharing Slices of Confidential Data on Blockchain”. In: Intelligent Information Systems - CAiSE Forum 2024, Limassol, Cyprus, June 3-7, 2024, Proceedings. Ed. by Shareeful Islam and Arnon Sturm. Vol. 520. Lecture Notes in Business Information Processing. Springer, 2024, pp. 138–147. isbn: 978-3-031-60999-2. doi: 10.1007/978-3-031-61000-4_16.

2024

[**Transforming Credit Guarantee Schemes with Distributed Ledger Technology**](#)

Sabrina Leo, Andrea Delle Foglie, Luca Barbaro, Edoardo Marangone, Ida Claudia Panetta, and Claudio Di Ciccio. “Transforming Credit Guarantee Schemes with Distributed Ledger Technology”. In: Navigating the Technological Tide: The Evolution and Challenges of Business Model Innovation, ICBT 2024, Cambridge, UK, April 19-20, 2024, Proceedings. Ed. by Bahaaeddin Alareeni and Allam Hamdan. Vol. 1083. Lecture Notes in Networks and Systems. Springer, 2024, pp. 314–324. isbn: 978-3-031-67431-0. doi: 10.1007/978-3-031-67431-0_30.

2023

[**MARTSIA: Enabling Data Confidentiality for Blockchain-based Process Execution**](#)

Edoardo Marangone, Claudio Di Ciccio, Daniele Friolo, Eugenio Nerio Nemmi, Daniele Venturi, and Ingo Weber. "MARTSIA: Enabling Data Confidentiality for Blockchain-based Process Execution". In: Enterprise Design, Operations, and Computing - 27th International Conference, EDOC 2023, Groningen, The Netherlands, October 30 - November 3, 2023, Proceedings. Ed. by Henderik A. Proper, Luise Pufahl, Dimka Karastoyanova, Marten van Sinderen, and João L. R. Moreira. Vol. 14367. Lecture Notes in Computer Science. Springer, 2023, pp. 58–76. isbn: 978-3-031-46586-4. doi: 10.1007/978-3-031-46587-1_4.

2022

Fine-Grained Data Access Control for Collaborative Process Execution on Blockchain

Edoardo Marangone, Claudio Di Ciccio, and Ingo Weber. "Fine-Grained Data Access Control for Collaborative Process Execution on Blockchain". In: Business Process Management: Blockchain, Robotic Process Automation, and Central and Eastern Europe Forum, BPM 2022 Blockchain, RPA, and CEE Forum, Münster, Germany, September 11-16, 2022, Proceedings. Ed. by Andrea Marrella, Raimundas Matulevičius, Renata Gabryelczyk, Bernhard Axmann, Vesna Bosilj Vukšić, Walid Gaaloul, Mojca Indihar Štemberger, Andrea Kő, and Qinghua Lu. Lecture Notes in Business Information Processing. Springer, 2022, pp. 51–67. isbn: 978-3-031-16168-1. doi: 10.1007/978-3-031-16168-1_4.

Technical Reports

Edoardo Marangone, Claudio Di Ciccio, Daniele Friolo, Eugenio Nerio Nemmi, Daniele Venturi, and Ingo Weber. Enabling Data Confidentiality with Public Blockchains. Tech. rep. Submitted to Information Processing & Management.

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22/11/2025