Edoardo Marangone

EDUCATION AND TRAINING

[11/2021 – Current]   **Ph.D. Student in Computer Science**

Sapienza University of Rome

City: Rome | **Country:** Italy |

[10/2017 – 03/2021]   **Master of Science in Computer Science**

University of Udine

City: Udine | **Country:** Italy | | **Final grade:** 110/110 cum laude

[09/2013 – 10/2017]   **Bachelor of Science in Computer Science**

University of Udine

City: Udine | **Country:** Italy | | **Final grade:** 86/110

[09/2008 – 07/2013]   **Secondary School Diploma in Scientific High School**

Liceo Scientifico Statale Giovanni Marinelli

City: Udine | **Country:** Italy | | **Final grade:** 64/100

WORK EXPERIENCE

[04/2021 – 10/2021]   **Consultant and full stack developer**

Reply (Blockchain Reply)

City: Milan | **Country:** Italy

QUALIFICATIONS

[17/11/2021]   **Italian professional qualification as Information Engineer**

LANGUAGE SKILLS

Mother tongue(s): Friulian , Italian

Other language(s):

English

LISTENING C1   **READING** C1   **WRITING** C1

SPOKEN PRODUCTION C1   **SPOKEN INTERACTION** C1

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

DRIVING LICENCE

Motorbikes: AM

Cars: 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]   **20th International Conference on Business Process Management (BPM 2022)**

Munster, Germany

| [09/2023] | **21th International Conference on Business Process Management (BPM 2023)** |
| | Utrecht, the Netherlands |

| [10/2023] | **5th International Conference on Process Mining (ICPM 2023)**   Rome, Italy |

| [10/2023] | **27th International Conference on Enterprise Design, Operations and Computing (EDOC 2023)** |
| | Groningen, the Netherlands |

| [16/12/2021] | **"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** |
| | Rome, Italy |

| [14/09/2022] | **"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** |
| | Münster, Germany |

| [11/01/2023] | **"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** |
| | Groningen, the Netherlands |

| [13/12/2023] | **"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** |
| | Rome, Italy |

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 INTER-NATIONAL 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.

11/11/2024