



Carozza Eliana

Expert in Post-Quantum Cryptography

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🌐 <https://elianacarozza.github.io/>

• WORK EXPERIENCE

01/06/2025 – Current Versailles, France

POST-QUANTUM CRYPTOGRAPHY ENGINEER UNIVERSITÉ DE VERSAILLES SAINT-QUENTIN-EN-YVELINES

30/09/2021 – 20/03/2025 Paris, France

RESEARCH FELLOW - PHD UNIVERSITÉ PARIS CITÉ

11/2023 – 03/2024 Paris, France

INTERNSHIP CRYPTOEXPERT

• TEACHING

01/09/2025 – Current Paris, France

LECTURER IN COMPUTER SCIENCE IPESUP – LYCÉE ET PRÉPA

09/2023 – Current

Teaching Assistant – Computer science

Teaching Assistant for the "Informatique" course at the Department of Computer Science, Paris University.

09/2023 – Current

Teaching Assistant – Introduction à la programmation Python

Teaching Assistant for the "Introduction à la programmation Python" course at the Department of Computer Science, Paris University.

09/2023 – Current

Teaching Assistant – Introduction aux systèmes d'exploitation

Teaching Assistant for the "Introduction aux systèmes d'exploitation" course at the Department of Computer Science, Paris University.

09/2020 – 07/2021

Teaching Assistant – C Language

Teaching Assistant for the "Programmazione in C" course at the Department of Mathematics, University of Rome.

09/2019 – 07/2020

Teaching Assistant – Algebra

Teaching Assistant for the Algebra course at the Department of Mathematics, University of Rome.

• PUBLICATIONS

2024

[**On Threshold Signatures from MPC-in-the-Head**](#)

2024

[**Short Signatures from Regular Syndrome Decoding, Revisited**](#)

IACR publication presented in ASIACRYPT 2024

2023

[**Short Signatures from Regular Syndrome Decoding in the Head**](#)

IACR publication presented in EUROCRYPT 2023

● EDUCATION AND TRAINING

30/09/2021 – 20/03/2025 Paris, France

PHD IN COMPUTER SCIENCE Institut de Recherche en Informatique Fondamentale - Université Paris Cité

Field of study Post quantum cryptography

13/11/2020 – 28/05/2021 Rome (RM), Italy

MASTER IN FINANCIAL CONTROL Melius Form

Field of study Finance, banking and insurance

09/2019 – 17/03/2021 Rome (RM), Italy

MASTER IN MATHEMATICS Univserità degli studi Roma Tre

Field of study Mathematics **Final grade** Cum Laude

09/2016 – 07/2019 Fisciano (SA), Italy

BACHELOR IN MATHEMATICS Università degli Sudi di Salerno

Field of study Mathematics **Final grade** Cum Laude

08/2011 – 07/2016 Caserta (CE), Italy

SCIENTIFIC HIGH SCHOOL DIPLOMA Liceo scientifico "A. Diaz"

Final grade Cum Laude

● COURSES

03/06/2024 – 07/06/2024

SUMMER SCHOOL ON REAL-WORLD CRYPTO AND PRIVACY

29/06/2023 – 07/07/2023

SUMMER SCHOOL ON CRYPTO AND ANTI-MONEY LAUDERING

29/08/2021 – 02/09/2021

CISPA SUMMER SCHOOL 2021: Coding Techniques & Advanced Post-Quantum Cryptography

23/05/2021 – 27/05/2021

UNCG Summer School 2021: Applications of Expander Graphs to Number Theory and Computer Science

06/2019 – 08/2019

Executive Course in Translating Mathematical Research into Innovative Technologies

● LANGUAGE SKILLS

Italian C2

English B2

French B2

Spanish A2

● SOFTWARE SKILLS

C | C++ | Python | Java | OCaml | Linux | SQL

