Anna Stefano NARIVELOMANANA

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Education

2022 – 2023	**Structured Master, Fundamental Science Stream** African Institute of Mathematical Science Cameroon.	
2020 – 2022	**Master 1, in Mathematical Education** Ecole Normale Supérieure, University of Antananarivo, Madagascar.	
2016 – 2020	**Bachelor degree, in Mathematical Education** Ecole Normale Supérieure, University of Antananarivo, Madagascar.	
2014 – 2015	**Baccalauréat, série C** Lycée Joseph Ravoahangy Andrianavalona Antananarivo, Madagascar.	

Conference

19 Feb. 2025	**1st Microarchitecture Security Conference** Ruhr University, Bochum, Germany

Internships

Mar 2024 – Feb 2025	**Research Internship on Multivariate-based Post-Quantum Cryptography Implementation** Max Planck Institute for Security and Privacy, Bochum, Germany	
Jan.-Feb. 2020	**Mathematics Teaching Internship** CEG 67Ha Betsimitatatra.	**Course of study**

Schools

Jun 2024	**Summer School on Real-World Crypto and Privacy 2024** Vodice, Croatia	**MPI-SP**
Dec 2023	**Research School on Post-Quantum Cryptography** Pondicherry University, India	**CIMPA School**

Project and work

2023	**Research on advanced stream cipher cryptography** Supervised by Dr. Giulio Codogni, University of Roma Tor Vergata.	**AIMS Cameroon**
2023	**Personal website** 🌐 An portfolio written in html, JavaScript and Bootstrap	**Personal project**
2023	**Berlekamp-Massey Algorithm** 🌐 An implementation of the Berlekamp-Massey Algorithm written in Python3 using Sympy.	**Personal project**
2023	**SPN Code** 🌐 Encryption and decryption with Substitution Permutation Network written in Python3	**Personal project**
2023	**RSA cryptosystem** 🌐 A graphical interface for the RSA cryptosystem (encryption and decryption) made with Python3/Tkinter.	**Personal project**

Extra training

Sept-Oct 2023	**Cybersecurity bootcamp by Women Techsters** HashCheck, Zphisher, John The Ripper.
June 2022	**Initiation to website development at Orange Digital Center Madagascar** Html, CSS, MySQL, PHP.

Skills

Languages	Malagasy, English, French, German (low intermediate), Python, R, LaTeX, SageMath.
Libraries	Pandas, Numpy, Scipy, Sympy.

Extracurricular

June 2022	**Member of a tree data collection team in a forest** Mantadia Park, Andasibe, Madagascar
May 2022	**Sharing session about algorithm and initiation to Python programming** Y-Tech club at YMCA Madagascar
2023	**Leader of give-back team which mentors children in S.T.E.M.** Save the Children Orphanage, Limbe, Cameroon.
Clubs	**Gender and library clubs member at AIMS Cameroon.**
Feb.-Jun. 2022	**Y-Tech club member at YMCA Madagascar**

References

Dr. Peter Schwabe | **Scientific Director**
Max Planck Institute for Security and Privacy
Homepage : https://cryptojedi.org/peter/index.shtml
Email: peter@cryptojedi.org

Dr. Giulio Codogni | **Professor of Mathematics and Cryptography**
University of Rome Tor Vergata
Homepage : https://sites.google.com/view/giuliocodogni/home-page?authuser=0
Email: codogni@mat.uniroma2.it

Dr. Andreas Buchleitner | **Professor of Theoretical Physics**
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Dr. Fortunat Rajaona Solofomampionona | **Research Fellow**
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