

# Luigi Russo

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*Curriculum Vitae*

*The minutest speck of the living  
Is worth more than all that I'll ever do on this earth.*  
~V. Majakovskij

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## Work Experience

2021 **Research Engineer**, *EURECOM*, Sophia Antipolis, France.  
Description 7 months research activity on Rerandomizable RCCA-secure public-key encryption schemes and Identity-Based encryption  
Supervisor prof. Antonio Faonio

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## Education

2021- **PhD in Cryptography**, *Sorbonne University and EURECOM*, Sophia Antipolis, France.  
Supervisor prof. Antonio Faonio

2021 **Summer School - Foundations and Frontiers of Probabilistic Proofs**, *ETH*, Zurich, Switzerland.  
Description Graduate school co-organized by UC Berkeley and the University of Warwick, on proof protocols for delegating computations

2018-2020 **M. Sc. Computer Engineering**, *Sapienza University*, Rome, Italy.  
GPA 29.71/30  
Final Grade 110/110 cum laude  
Thesis *Matchmaking Encryption against Chosen-Ciphertext Attacks*  
Advisors prof. Daniele Venturi and prof. Riccardo Lazzeretti

2018-2019 **Mentee at LeadTheFuture**.  
Description Series of talks on DevOps, Site Reliability and Release Engineering

Mentor	Nicola Timoncini - Google, Zurich (Switzerland)
2017	<b>CyberChallenge 2017</b> , <i>Sapienza University</i> , Rome, Italy.
Description	Member of the first edition of Italian Cyberchallenge, a training program in cybersecurity
2015-2018	<b>B. Sc. Computer and Systems Engineering</b> , <i>Sapienza University</i> , Rome, Italy.
GPA	29.4/30
Thesis	<i>Minerva</i> , RoR Platform for Open-Access papers management
Final Grade	110/110 cum laude
Advisor	prof. Leonardo Querzoni
2014	<b>Skysef</b> , <i>Shizuoka Kita Youth Science Engineering</i> , Shizuoka, Japan.
Description	Annual International Forum on Energy
Project	Energy for life
2010-2015	<b>High School</b> , <i>Classical Lyceum "A. Gatto"</i> , Agropoli, Italy.
Final mark	100/100

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## Publications

- [FaoRus22] **Mix-Nets from Re-randomizable and Replayable CCA-Secure Public-Key Encryption**, doi:10.1007/978-3-031-14791-3\_8.
- [FGRV21] **Identity-Based Matchmaking Encryption Without Random Oracles**, doi:10.1007/978-3-030-92518-5\_19.
- [ORGR+21] **Risks and Protective Factors Associated With Mental Health Symptoms During COVID-19 Home Confinement in Italian Children and Adolescents**, doi:10.3389/fped.2021.664702.

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## Projects

- 2020 **Ped-Pan**. The advent of pan-enteric capsule endoscopy in pediatric Crohn's disease, *Sapienza University*, Rome, Italy.  
Role Data manager
- 2020 **Understanding Kids**. Effects of Home Confinement on Children during the Covid-19 Outbreak in Italy, *Sapienza University*, Rome, Italy.

Role	Data curation and formal analysis
2020	<b>Milites</b> , <i>Visual Analytics tool for Roman battles and wars</i> .
Description	Born as university project, milites is an innovative d3.js tool for Visual Analytics on ancient Roman history.
2020	<b>Simple Biblio</b> , <i>Android epub reader</i> .
Description	An Android ebook reader written in Kotlin that allows to download ebooks from open libraries and catalogs.
	More at <a href="https://github.com/lrusso96">github.com/lrusso96</a>

## Computer Skills

Coding C, C++, JAVA, PYTHON, RUBY,  $\text{CONTEX}$ T,  $\text{LATEX}$

## Languages

**Italian** Native

**English** Self-assessment (CEFR)

Reading C1

Listening B2

Speaking B2

Writing B2

## More

Blog	I manage a personal blog with cryptography-related notes, exercises, and theoretical definitions, collected as a set of Jekyll posts
Wikimedia	I am an autopatrolled user on Wikipedia and Wikimedia projects, with more than 9k global contributions. I have also developed a set of scripts to make the patrolling easier
Interests	Russian literature

## Contacts

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