CURRICULUM VITAE

PERSONAL INFORMATION

Name **INNOCENZI ADRIANO**

Date of Birth	25 May 1997
Place of Birth	Rome
Nationality	Italian

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Residence	Via Alberobello, 98 – 00133 Roma
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EDUCATION AND QUALIFICATIONS

September 2022 – June 2023

• Activity	Research Assistant
• Institute	Sorbonne Université LIP6 lab
• Field of research	Quantum Cryptography and Quantum Computing
• Description	Secure Multiparty Computation systems conception, analysis and development

March 2022 – September 2022

• Activity	Master thesis internship
• Institute	Sorbonne Université LIP6 lab
• Field of research	Quantum Cryptography and Quantum Computing
• Description	Secure Multiparty Computation systems conception, analysis and development

September 2021 – February 2022

• Activity	Erasmus+ at Sorbonne Université - Faculté des Sciences et Ingénierie

Year 2019 – Year 2022

• Master's Degree	Engineering Physics – Photonics and Nano Optics (final grade 110/110)
• Degree Class	Information Engineering (L-8)
• University	Polytechnic University of Milan
• Thesis Title	"*Theoretical analysis and experimental demonstration of quantum oblivious transfer*"
• Abstract	Analysis of a simulation secure oblivious transfer protocol enhanced with quantum communication resources, resulting from BCKM21 extractable-equivocable bit commitment scheme and CK88 quantum oblivious transfer template, with focus on the optimization of the black-box sequential composition construction for security, correctness and performance. Development of the software infrastructure necessary for simulation and

deployment of the protocol on a quantum communication system based on a heralded SPDC-based single photon source in Sagnac configuration.

Years 2016 – 2019

• Bachelor's Degree	Engineering Physics (final grade 105/110)
• Degree Class	Information Engineering (L-8)
• University	Polytechnic University of Milan
• Thesis Title	*"Electronic Spin Resonance" (ESR)*
• Abstract	Analysis of polycrystalline DPPH absorption spectrum and characterization of its paramagnetic response, according to DPPH molecular structure and atomic orbitals spatial distribution. Data analysis in RStudio IDE for visualization, filtering and statistical interpolation of the experimental data. Study of radiofrequency circuits resonant response and analysis of its correlation with circuital parameters.

Anni 2011 – 2016

• High School Diploma	Diploma at Liceo Scientifico with Chinese Language (final grades 100/100)
• School Name	Convitto Nazionale Vittorio Emanuele II – Rome

EXTRA-CURRICULAR COURSES
(For further information click on the images)

LANGUAGE SKILLS

ITALIAN

MOTHER TONGUE

ENGLISH – CAMBRIDGE CERTIFICATE (LEVEL C1)

• Reading	FLUENT
• Writing	FLUENT
• Speaking	FLUENT

 CHINESE– HSK CHINESE PROFICIENCY TEST (LEVEL IV)

• Reading	INTERMEDIATE
• Writing	INTERMEDIATE
• Speaking	INTERMEDIATE

FRENCH – DELF (LEVEL A2)

• Reading	FLUENT
• Writing	FLUENT
• Speaking	FLUENT

OTHER QUALIFICATIONS

2016
- Activity   **Business Chinese course**
- Place   University of Milan

Years 2012 – 2013 – 2014 – 2015
- Activity   **International Program of Chinese Studies at "Liceo Statale Convitto Nazionale Vittorio Emanuele II"**
- Qualification   "HSK" Chinese Language Proficiency Exam
- Place   BFSU – Beijing years 2012-2013
  SJTU – Shanghai years 2014-2015
- Final qualification   HSK (Level IV), SJTU – Shanghai year 2015

Years 2013 – 2014
- Activity   **XXIII Ed. Mathematics Olympiad**
- Qualification   (score 96/100) Regional Contest, held in Rome, with admission to National Contest
- Place   c/o Bocconi University of Milan

2014
- Activity   **Philosophy Festival of Magna Grecia - Contest "Filosofando"**
- Qualification   1st Place
- Place   Matera, Italy

2014
- Activity   **NHSMUN Project**
- Place   New York, USA

2014
- Activity   **Contest "My Own Wall" for the 25th anniversary of the Fall of the Berlin Wall at Konrad Adenauer Institute**
- Qualification   1st Place
- Place   LUMSA and "Osservatorio Italia-Germania"

Years 2013 – 2014   **Italian Philosophical Society**
- Activity   Cycle of seminars "Piccoli Classici del '900"
- Place   Roma Tre University

COMPUTER SKILLS

Operating Systems   Windows, Linux, MacOS
Arduino/Raspberry IDE
Level: Excellent

Programming Languages: C, C++, R, Python, MATLAB
Level: Excellent

Office Automation: MS-Word, MS-PowerPoint, MS-Excel
Level: Excellent

CAD: Fusion 360

Level: Intermediate

EXPERIENCES ABROAD

Year 2013	Aalborg - Denmark
Year 2011, 2015, 2016	Cambridge and London - UK
Year 2014	New York - USA
Years 2015 – 2016	Barcelona - Spain
Years 2012 – 2013 – 2014 – 2015	Beijing and Shanghai - China

SOFT SKILLS

Critical analysis, problem setting and problem solving skills.
Technical communication, teamwork attitude and strong emotional intelligence.

PERSONAL INTERESTS AND MEMBERSHIPS

Year 2019 – Today   Member of Skyward https://www.skywarder.eu
Experimental rocketry association for design, implementation and testing of probe rockets.
Design and development of the ground station software (C++ language in Qt Creator framework).

PERSONAL DETAILS

Driving license B.
Available for mobility abroad.

I hereby authorize the use of my personal data in accordance to the GDPR 679/16 - "European regulation on the protection of personal data".

Date: 19/05/2023

Adriano Innocenzi