

20243053317/2024

Student ID number: **231393**

We hereby certify that **BERTAMINI FRANCESCO** born in GAVARDO (BS) - ITALY - on 15th August 1996, completed his studies in this University and received the **Master Degree in Computer Science**(LM-18 - Computer Science). We also certify that he passed the following exams with marks expressed in a scale from 18 to 30.

The Master is a TWO - year program.

The course is offered entirely in English.

DSS	EXAM	Credits	MARK	Honour	KEY
INF/01	Web architectures	6	26		
INF/01	Introduction to Computer and Network Security	6	27		
SECS-P/10	Innovation and Entrepreneurship Basic	6	30		
INF/01	Requirement engineering	6	25		
ING-INF/05	Service Design and Engineering	6	30		
SECS-P/08	Business Development Laboratory	9	27		
ING-INF/05	ICT Innovation	9	28		
ING-INF/05	Privacy and Intellectual Property Rights	6	30	H	
INF/01	Innovation and Entrepreneurship Studies in ICT	6	25		
ING-INF/05	Data mining	6	29		
ING-INF/05	Cyber Security Risk Assessment	6	26		
ING-INF/05	Participatory design	6	30	H	
ING-INF/05	Autonomous Software Agents	6	30		
NN	Internship or stage	6	Pass		
ING-INF/05	Project course	6	30		
PROFIN_S	Final thesis	24	26		
		Tot. credits			
		120			

Keys:
DSS = Disciplinary and scientific sector

AP = Approved exam

OBG = Recognized Open Badge

CPMA = Post-graduate credits already attained, transferrable to current degree course

A = Recognition from previous career

ITA = Recognition of credits earned at other Italian universities

On **16th October 2024** he passed his degree examination with **109 / 110**.

The present certificate is issued on unstamped paper for the use foreseen by law. For different use a revenue stamp is to be applied.

TRENTO, 17/02/2025

Head of Division
Dott.ssa Sabrina Brugnolli
Teaching and Students Services
Science and Technology Area

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*The above information is extracted from the University of Trento database. For official purposes this certificate has to be produced in Italian and English version.
Signature is omitted in accordance with Decree Law 12/02/1993, n. 39. This certificate may not be issued, or otherwise made available, to any public administration or private organizations operating in the public services (in accordance with article 40 of Italian Law no. 445/2000).*