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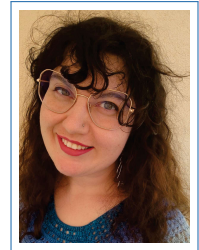
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Year of Birth: 1994

Updated on 2025/09/24



*PhD in “Computer Science and Computational Mathematics”*

## Computer Skills

### Strenghts

**Database SQL** *During my university studies, I did two projects and the Bachelor thesis using SQL.*

**NoSQL** *During my university studies, I did two projects using NoSQL.*

**Programming Java** *I have been studying this language since 2013.*  
*During my university studies, I did six projects using Java.*  
*I tutored this language at the University of Insubria during the A.Y. 2020-2021 and 2021-2022.*

**Python** *I have been using Python for my research since 2020.*  
*During the A.Y. 2020-2021, I served as an adjunct professor of this language at the University of Turin.*

Object-Oriented Programming

### Good – Intermediate

Backend Node.js

Command-line Tools Terminal

PowerShell

CMD

**Database** MySQL, MongoDB, PostgreSQL

Normalization

Diagrams UML, ER

E-mail E-mail and Italian Certified e-mail (PEC, Posta Elettronica Certificata)

Environment Eclipse

Markup LaTeX

Office Office suite (Microsoft Office and Open Office)

OS Windows

**Programming** C, C++, C#

Parallel, distributed and concurrent programming

**Security** Antivirus System

Authentication

Tools pgAdmin, Node-RED

Version GitHub  
Control  
Systems

**Web** HTML, CSS, JavaScript, JQuery *I'm managing a personal website since December 2023.*

PHP

JSON

AJAX

Angular

Single-page applications, static applications

WordPress *From January 2013 to February 2021, I managed a blog where I put motivational quotes.*

### Knowledge

Code Testing *I studied code testing principles during my Master's degree. Although I completed a project involving testing, I have not yet worked with a specific code testing framework, such as Jest.*

**Database** Hippocratic Databases

Diagrams Kaos, Problem Frames

Environment AndroidStudio *I developed three Android apps for the Mobile Programming course during my Bachelor's degree.*

ArduinoUNO

Weka

Unity

Model Client-Server

Network Putty *I used it for my Bachelor thesis.*  
management

OS Linux

MacOS

Mobile – Android

**Programming** R

Real-time programming

API REST

*I used Twitter API for my Bachelor thesis.*

Bash

VisualBasic

Pascal

ArduinoUNO's programming language

Assembly

**Security** OAuth *I used it for my Bachelor thesis.*

RBAC (Roll-Based Access Control)

**Web** ASP *I studied it in the High School.*

Software Gephi  
Version Git  
Control  
Systems

## Certifications

- Computer **Google digital training - Fondamenti di marketing digitale**, Google, 06/2020
- Science **Técnicas Cuantitativas y Cualitativas para la Investigación**, EdX, Universidad Politécnica de Valencia, 01/2019
- Data Access in C# and .NET Core**, EdX, Microsoft, 09/2018
- Asynchronous Programming with Javascript**, EdX, Microsoft, 08/2018
- Introduction to Python: Absolute Beginner**, EdX, Microsoft, 08/2018
- Architetture orientate ai servizi**, University of Insubria, 06/2018
- Sistemi organizzativi a rete**, University of Insubria, 06/2018
- Mathematics **IGCSE Mathematics Extended**, University of Cambridge, 06/2013
- IGCSE Mathematics Core**, University of Cambridge, 06/2012

## Specific Computer Science Training Activities and Courses

1. July 2017: "Agile Software Development", provided by Institute University of Minnesota, edX;
2. July 2017: "Queuing Theory: from Markov Chains to Multy-Server Systems", provided by Institute Mines-Télécom, edX;
3. August 2018: "Using Python for Research", University of Harvard, edX;
4. August 2018: "Computing in Python II: Control Structures", The Georgia Institute of Technology, edX;
5. August 2018: "Computing in Python IV: Objects & Algorithms", The Georgia Institute of Technology, edX;
6. 28<sup>th</sup> February 2019: "Digital Wellbeing", provided by Google Digital Training;
7. 16<sup>th</sup> November 2020: "NeuroSpine", V International Meeting, Regeneration & Rehabilitation in Brain and Spinal Cord Injuries, provided by IITM (International Institute of Tele-Medicine);
8. 17<sup>th</sup> November 2020: "NeuroInformatica", IX Workshop Nazionale, Intelligenza Artificiale, NeuroRobotica, BCI, Teleneurologia, provided by IITM (International Institute of Tele-Medicine);
9. 25<sup>th</sup> November 2020: "Apprendere con i robot" provided by ComoNExT – Innovation Hub and Agenzia per lo Sviluppo del Canavese;
10. 10<sup>th</sup> December 2020: webinar "Product accelerator per l'innovazione", provided by ComoNExT – Innovation Hub and ST Microelectronics;
11. 14<sup>th</sup> December 2020: "Diversity & Cybersecurity: Woman Entrepreneurship Webinar" provided by Concordia;
12. 25<sup>th</sup> January 2021: "A look inside the black box of scientific publishing" provided by Dr. Matteo Cavalleri;
13. 28<sup>th</sup> January 2021: "Machine learning in Physics. A general overview" provided by Dr. Marco

- Landoni, INAF, University of Insubria;
14. 4<sup>th</sup> February –12<sup>th</sup> March 2021: “Bioinformatics” provided by Prof. Gianluca Molla, University of Insubria;
  15. 17<sup>th</sup> February 2021: “Realtà virtuale/aumentata e intelligenza artificiale in medicina” provided by Prof. Gabriella Balestra and Dr. Pietro Piazzolla, Politecnico di Torino, Dipartimento di Oncologia, University of Turin;
  16. 19<sup>th</sup> February 2021: “AI: Economics, Law and Ethics – An interdisciplinary approach”, provided by University of Insubria;
  17. 25<sup>th</sup> March 2021: “Toward a Compositional Verification of Data-Aware Processes via Cospan-Span(Graph)” provided by Alessandro Gianola, Free University of Bozen-Bolzano;
  - \* 1<sup>st</sup> April – 3<sup>rd</sup> June 2021: “Percorsi Cybersecurity” provided by CO.NE.PRO and Ordine dei Dottori Commercialisti e degli Esperti Contabili di Perugia;
  12. 1<sup>st</sup> April 2021: “Fondamenti di Cybersecurity”;
  13. 15<sup>th</sup> April 2021: “Tecnologie digitali e sicurezza cibernetica”;
  14. 30<sup>th</sup> April 2021: “Tecniche crittografiche per la protezione dei dati”;
  15. 6<sup>th</sup> May 2021: “Tecniche crittografiche per la protezione dei dati”;
  16. 20<sup>th</sup> May 2021: “Nuove sfide per la sicurezza informatica”;
  17. 3<sup>rd</sup> June 2021: “Nuove sfide per la sicurezza informatica”;
  18. 5<sup>th</sup> May 2021: Riccardo La Grassa’s seminar: “Classical clustering approaches in the context of deep learning”;
  19. 1<sup>st</sup> July 2021: “Diversity & Cybersecurity: Women in Cybersecurity Research” provided by Concordia;
  20. 15<sup>th</sup> July 2021: Loan Nguyen Thanh’s seminar: “User Data Analysis: Technique Overview”;
  21. 16<sup>th</sup> September 2021 – 25<sup>th</sup> March 2022: “Deep Learning for Pure and Applied Science” (16h), provided by Prof. Giuseppe Carleo and Dr. Filippo Vicentini, University of Lausanne, organised by Prof. Giuliano Benenti, University of Insubria;
  22. 3<sup>rd</sup> February 2022: “La tutela di software, prodotti e servizi nell’industria ICT”, provided by Camera di Commercio di Varese;
  23. 11<sup>th</sup> March 2022: “The Curious Case of Explosive Seed Dispersal: How Nature “Exploits” Mechanics to Increase its Survival Chances”, provided by Dr. Gabriella Mosca (Max Planck Institute for Plant Breeding Research);
  24. 26<sup>th</sup> – 29<sup>th</sup> May 2022: “Technologies for Processing Streaming Data Pipeline” (16h), provided by Dr. Gianfranco Modoni, Consiglio Nazionale delle Ricerche;
  25. 12<sup>th</sup> – 22<sup>nd</sup> December 2022: “Directed Networks”, provided by Prof. J.J.P. Veerman, organized by Prof. Giorgio Mantica;
  26. 21<sup>st</sup> December 2022: “Understanding Epidemics via the Theory of Dynamical System”, Prof. Giorgio Mantica, University of Insubria;
  27. 25<sup>th</sup> January 2023: “Il gioco è una cosa seria: potenzialità dei videogiochi nella ricerca, per il benessere, la diagnosi e la terapia di disordini psicologici ed il loro ruolo in contesti di isolamento sociale.”, provided by Arianna Boldi, University of Turin;
  28. 1<sup>st</sup> March – 5<sup>th</sup> April 2023: “Computational Cognitive Modeling”, provided by Dr. Silvia Elena Corchs, University of Insubria;
  29. 12<sup>th</sup> April 2023: “Exemplar usable security and human factors techniques and their application to research case studies in heterogenous industries”, provided by Dr. Huseyin Dogan, Bournemouth University (situated at University of Insubria);
  30. 9<sup>th</sup> – 16<sup>th</sup> June 2023: “Systems, modelling & Simulations”, provided by Prof. Habib Sedehi

- (situated at University of Insubria);
31. 13<sup>th</sup> – 15<sup>th</sup> September 2023: 24<sup>th</sup> Italian Conference on Theoretical Computer Science 2023 (Palermo, Italy)
  32. 15<sup>th</sup> November 2023: “Fidarsi o non fidarsi della IA generativa che parla il linguaggio degli umani?” provided by Prof. Carlo Batini, University of Milan-Bicocca;
  33. 24<sup>th</sup> February 2025: “Neuro-Symbolic Artificial Intelligence” provided by Dr. Luciano Serafini, Fondazione Bruno Kessler (situated at University of Insubria).

## APRE / For Research / Other

1. 9<sup>th</sup> November 2020: “Junior Researchers Session”, about using software \*Research Professional, provided by University of Insubria;
2. 26<sup>th</sup> November 2020: “IP Management in ICT Project” provided by IPR Helpdesk;
3. 3<sup>rd</sup> December 2020: “IP Management in Biotechnology” provided by IPR Helpdesk;
4. 17<sup>th</sup> December 2020: “Verso i nuovi bandi individuali delle MSCA in Horizon Europe: Postdoctoral Fellowship” provided by APRE (Agenzia per la Promozione della Ricerca Europea);
5. 11<sup>th</sup> – 12<sup>th</sup> January 2021: “Percorso formativo verso Horizon Europe: scenario e prospettive del nuovo programma europeo per la ricerca e l’innovazione” provided by APRE;
6. 20<sup>th</sup> January 2021, “La comunicazione dei risultati della ricerca”, provided by Prof. Giuseppe Tipaldo, University of Turin;
7. 21<sup>st</sup> January 2021: “Introduction to IP” provided by European IP Helpdesk;
8. 23<sup>rd</sup> March 2021: “Marie Skłodowska-Curie Actions under Horizon Europe Information Event”, provided by European Commission;
9. 24<sup>th</sup> March 2021: “How to prepare a successful proposal in Horizon Europe”, provided by European Commission;
10. 18<sup>th</sup> November 2021: “I finanziamenti dello European Research Council (ERC) in Horizon Europe”, provided by Marco Ferraro (APRE, National Contact Point di Horizon);
11. 26<sup>th</sup> November 2021: “Storie di Innovazione: come dalla ricerca nasce l’innovazione... la parola ai ricercatori”;
12. 18<sup>th</sup> February 2022: “Storie di Innovazione: come dalla ricerca nasce l’innovazione... la parola ai ricercatori”;
13. 8<sup>th</sup> March 2022: “Diversity & Cybersecurity: Women in Cybersecurity Industry”, provided by Concordia H2020;
14. 16<sup>th</sup> March 2022: “JoVE @ Uninsubria”, provided by Alice Pistono, University of Insubria;
15. 18<sup>th</sup> March 2022: “Incontro helpdesk IRInSubria”, provided by Scuola di Dottorato, University of Insubria;
16. 31<sup>st</sup> March 2022: “OECD iLibrary Training for Università degli Studi dell’Insubria”, provided by James Kitchen (Public Affairs & Communications Officer dell’OECD);
17. 8<sup>th</sup> April 2022: “La Ricerca Collaborativa in Horizon Europe: come scrivere una proposta di successo”, provided by APRE, National Contact Point di Horizon Europe;
18. 18<sup>th</sup> November 2022: “Come scrivere una proposta di successo nel programma Marie Skłodowska-Curie Actions in Horizon Europe”, provided by APRE;
19. 5<sup>th</sup> December 2022: “L’impatto in Horizon Europe”, provided by APRE;
20. 10<sup>th</sup> February – 17<sup>th</sup> April 2023: “Faculty Development Program”, provided by University of Insubria;
21. 21<sup>st</sup> March 2023: “How to use Social Media and other Channels for Research Communication”,

provided by Charlie Rapple, Kudos;

22. 11<sup>th</sup> May 2023: "Horizon Europe: le postdoctoral fellowships nelle azioni Marie Skłodowska-Curie Actions (MSCA)", provided by APRE;
23. 21<sup>st</sup> September 2023: "Pubblicare con IOP – Open access and transformative agreements; how can I take advantage?", provided by CRUI, University of Insubria;
24. 4<sup>th</sup> – 5<sup>th</sup> October 2024: "Coaching for doc", provided by Fondazione Emblema, University of Insubria;
25. 3<sup>rd</sup> October 2023 – 29<sup>th</sup> January 2024: "PON Ricerca e Innovazione 2014-2020 REACT EU", provided by Ministero dell'Università e della Ricerca.

## Other Certificates of Participation not already mentioned before

1. November 2018: "Samsung Innovation Camp", provided by University of Insubria.

## Previous Hobbies

Quote blog From January 2013 to February 2021, I managed a blog where I put motivational quotes.

Gardening From Summer 2019 to Summer 2024, I had a small garden.