




Gender Male
Birth date 30th December 1995

 <https://fcasillo.github.io/>
 <https://www.linkedin.com/in/francesco-casillo/>
 <https://scholar.google.com/citations?hl=en&user=zBeKL2cAAAAJ>

Education

2022 - 2024

Doctor of Philosophy in Computer Science / UNISA, Salerno (Italy)

EQF level 8 - **Computer Science** curriculum

Thesis: Detecting Non-Functional Requirements by exploiting NLP-based technologies and techniques

Advisors: Carmine Gravino, Vincenzo Deufemia

2019 - 2021

Master's degree in Computer Science / UNISA, Salerno (Italy)

EQF level 7 - 110/110 Magna Cum Laude – **Data Science and Machine Learning** curriculum

Thesis: Detecting Privacy Requirements from User Stories by exploiting NLP-based Transfer Learning

Advisors: Carmine Gravino, Vincenzo Deufemia

2015 - 2019

Bachelor's degree in Computer Science / UNISA, Salerno (Italy)

EQF level 6 - 95/110

Thesis: Applicazione del metodo Monte Carlo

Advisor: Amelia Giuseppina Nobile

Work experience

2019 - 2021

Data Scientist / QUIVENDI AG, Zurich (Switzerland)

Junior Talent in Data Science projects.

Projects: User Story classification, Talent Journey simulation, Time Entries Clustering, Talent Assistant Management.

2017 - 2025

Web Content Manager / Freelancer

Development and maintenance of web applications for small businesses.

Content Management System used: Wordpress, Joomla!, PrestaShop, Magento.

Projects: [Cube Digital Agency](#), [Datura Clothing](#), [LightInspiration](#), [Terrapura](#), [Automis](#)

Publications

[J1] [Detecting privacy requirements from User Stories with NLP transfer learning models](#)

F. Casillo, V. Deufemia, C. Gravino

In: *Information and Software Technology* 146, 2022.

[J2] Automatic Identification of Privacy and Security Requirements: A Systematic Literature Review

F. Casillo, V. Deufemia, C. Gravino

In: *Under Review in Requirement Engineering*.

[J3] Beyond Domain Dependency in Security Requirements Identification

F. Casillo, V. Deufemia, C. Gravino
In: *Information and Software Technology*, 182, 2025.

[J4] A First Eye on the Impact of Quantum Natural Language Representations for Non-Functional Requirements Classification

F. Casillo, V. Deufemia, F. Palomba, C. Gravino
In: *Under Review in Transactions on Software Engineering and Methodology*.

[J5] RECOVER: Toward the Automatic Requirements Generation from Stakeholders' Conversations

G. Voria, F. Casillo, C. Gravino, G. Catolino, F. Palomba
In: *Under Review in Transactions on Software Engineering – Computer Society*.

[C1] PReDUS: A privacy Requirements Detector From User Stories

F. Casillo, V. Deufemia, C. Gravino
In: *NLP4RE, Joint REFSQ Workshops 3122*, 2022.

[C2] ReFAIR: Toward a Context-Aware Recommender For Fairness Requirements Engineering

C. Ferrara, F. Casillo, C. Gravino, A. De Lucia, F. Palomba
In: *IEEE/ACM International Conference on Software Engineering (ICSE 2024)*, Lisbon, Portugal, 2024.

[C3] Towards Generating the Rationale for Code Changes

F. Casillo, A. Mastropaolo, G. Bavota, V. Deufemia, F. Palomba
In: *IEEE/ACM International Conference on Program Comprehension (ICPC 2025)*.

Certificates and Attestations

Certificate of Completion	Python for Data Science and Machine Learning Bootcamp , Udemy, October 2019.
Certificate of Completion	Complete Tensorflow 2 and Keras Deep Learning Bootcamp , Udemy, March 2020.
Certificate of Completion	Neural Networks and Deep Learning Specializations , Coursera, February 2020.
Certificate of Attendance	Winter School on Software Engineering , February 2022.
Certificate of Attendance	QWorld Quantum Science Days , June 2022.
Certificate of Attendance	International School on Software Engineering ISE , July 2022.
Certificate of Attendance	International Software Engineering Summer School SIESTA , September 2023.
Certificate of Attendance	International Conference on Software Engineering ICSE , April 2024.
Certificate of Attendance	Quarto Convegno Nazionale Ital-IA , May 2024.
C1 CLA	CLA certificate for C1 level English course , July 2022.

Technical Skills

Language	C, C++, Java, Node.js, Typescript, R, LaTeX, PHP, Python
Framework	Firebase, Google Cloud Platform, NumPy, Matplotlib, Seaborn, Griffin Apache, Qualle, Pandas, Scikit-learn, TensorFlow, Gym, Java Servlet, JDBC, Java RMI, CUDA, MobyDQ, DaQL, PyMongo, Flask, MPI, Transformers, Lambeq
Web	HTML5, CSS, JavaScript
Versioning	Git, GitHub, GitLab
Database	SQL, MongoDB, Firestore, Neo4j
Tools	Office Suite, Google Suite, VS Code, IntelliJ, Eclipse, Netbeans, GNU Octave, Jupyter Notebook, Colaboratory Notebook, LaTeX Studio, Unity, Blender.

Language Skills

Italiano	Mother tongue		
Inglese	Understanding: C1	Speaking: B1	Writing: C1

In compliance with the GDPR and the Italian Legislative Decree no. 196 dated 30/06/2003, I hereby authorize you to use and process my personal details contained in this document.