Francesco Casillo

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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 togue		
Inglese	**Understanding**: C1	**Speaking**: B1	**Writing**: C1