Antonio Della Porta
Ph.D. Student

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Education

Nov.2024 - Present	**Ph.D Student in IoT And Smart Systems** **Institution**: Department of Computer Science – University of Salerno, Italy **Advisor**: Prof. Fabio Palomba; Dott. Stefano Lambiase
2021 - 2023	**Master's Degree in Computer Science** **Institution**: Department of Computer Science – University of Salerno, Italy **Curriculum**: Software Engineering and IT Management **Thesis**: *"A Novel, Tool-Supported Inspection Procedure to Diagnose Community Smells through the Analysis of Dominant Behaviors"* **Advisor**: Prof. Fabio Palomba, Dott. Stefano Lambiase **Mark**: 110 *cum magna laude*
2018 - 2021	**Bachelor's Degree in Computer Science** **Institution**: Department of Computer Science – University of Salerno, Italy **Thesis**: *"Quantum Computing: Funzionamento e Applicazioni Di Un Modello Di Computazione Non Deterministico"* **Advisor**: Prof. Antonio Di Crescenzo **Mark**: 110 *cum magna laude*

Job Positions

2021 - 2023	**Software Engineer** **Company**: Minsait Italia **Description**: Throughout these years, I have built a solid foundation in Information and Communication Technology (ICT), specializing in smart metering solutions. This experience has allowed me to gain in-depth knowledge of the technologies and methodologies that drive efficient resource management. Additionally, I've cultivated a strong proficiency in understanding and analyzing client requirements, enabling me to deliver tailored solutions that align with their business goals and operational needs.
Jan.2024 - Oct.2024	**Research Fellow, University of Salerno** **Project**: QualAI - Continuous Quality Assurance for AI Systems **Coordinator**: Fabio Palomba

Teaching Experience

2025	**Lecturer Assistant, Software Engineering (Prof. F. Ferrucci and Prof. Fabio Palomba)** *Assisted in evaluating student projects and lectured in some lection of the course.*

2025	**LECTURER ASSISTANT, SOFTWARE ENGINEERING FOR ARTIFICIAL INTELLIGENCE (PROF. FABIO PALOMBA)**
	Assisted in evaluating student projects and lectured in some lection of the course.
2025	**LECTURER ASSISTANT, SOFTWARE ENGINEERING FOR ARTIFICIAL (PROF. FABIO PALOMBA)**
	Assisted in evaluating student projects and lectured in some lection of the course.

PROFESSIONAL SERVICES

STUDENT VOLUNTEER

2024	**STUDENT VOLUNTEER, INTERNATIONAL SUMMER SCHOOL ON SOFTWARE ENGINEERING (ISSSE'24)**
2024	**STUDENT VOLUNTEER, INTERNATIONAL CONFERENCE ON EVALUATION AND ASSESSMENT IN SOFTWARE ENGINEERING (EASE'24)**
2025	**STUDENT VOLUNTEER, EUROMICRO CONFERENCE ON SOFTWARE ENGINEERING AND ADVANCED APPLICATIONS (SEAA'25)**

PROGRAM COMMITTEE MEMBER

2024	**PROGRAM COMMITTEE, EMPIRICAL STUDIES FOR QUANTUM SOFTWARE ENGINEERING (E-QSE)**
2025	**SHADOW-PC MEMBER, INTERNATIONAL CONFERENCE ON SOFTWARE ENGINEERING (ICSE'25)**
2025	**PC MEMBER, AIWARE DATASETS AND BENCHMARKS (AI-WARE'25)**

THESIS CO-ADVISING

2024	**DIA: Un Nuovo Approccio per Spiegare l'Output di Modelli di Predizione del Diabete**
	Student: Francesco Festa, Bachelor Thesis
2024	**Predizione del Diabete di Tipo 1: Uno Studio sul Ruolo del Genoma per la Costruzione di Modelli di Machine Learning Explainable**
	Student: Rosa Carotenuto, Bachelor Thesis
2025	**CRANE: Code Review AI Network Engine**
	Student: Luca Morelli, Master Thesis
2025	**Synaptic Coder: un Sistema LLM Multi-Agente per la Generazione Automatica di Codice Sorgente**
	Student: Dorotea Serrelli, Bachelor Thesis

PUBLICATIONS

JOURNAL PAPERS

[J1] **A Novel, Tool-Supported Catalog of Community Smell Symptoms**
Della Porta, A. and Lambiase, S. and Catolino, G. and Ferrucci, F. and Palomba, F. (2024). Authorea Preprint - Under Submission.

CONFERENCE PAPERS

[C1] **Community Smell Detection and Refactoring in SLACK: The CADOCS Project**
Voria, G. and Pentangelo, V. and Della Porta, A. and Lambiase, S. and Catolino, G. and Palomba, F. (2022).
Presented at: 38th International Conference on Software Maintenance and Evolution (ICSME), Limassol, Cyprus.

[C2] **Using Large Language Models to Support Software Engineering Documentation in Waterfall Life Cycles: Are We There Yet?**
Della Porta, A. and Recupito, G. and De Martino, V. and Catolino, G. and Di Nucci, D. and Palomba, F. (2024).
Presented at: 4th National Conference on Artificial Intelligence (ITAL-IA), Naples, Italy.

[C3] **Unlocking Code Simplicity: The Role of Prompt Patterns in Managing LLM Code Complexity**
Della Porta, A. and Recupito, G. and Lambiase, S. and Di Nucci, D. and Palomba, F. (2025).
Presented at: Software Quality Assurance For Artificial Intelligence (SQA4AI) - Workshop Colocated with SANER 2025, Montreal, Canada.

[C4] **Do Prompt Patterns Affect Code Quality? A First Empirical Assessment of ChatGPT-Generated Code**
Della Porta, A. and Lambiase, S. and Palomba, F. (2025).
Presented at: International Conference on Evaluation and Assessment in Software Engineering (EASE), Istanbul, Turkey.

[C5] **Transparent Machine Learning for Type 1 Diabetes Diagnosis from Gene Expression Data**
Carotenuto, R. and Pentangelo, V. and Della Porta, A. and Palomba, F. (2025).
Presented at: 5th National Conference on Artificial Intelligence (Ital-IA), Trieste, Italy.

[C6] **From Rules to Reports: Enhancing Diabetes Prediction Interpretability with Anchor and LLMs**
Festa, F. and Della Porta, A. and Pentangelo, V. and Palomba, F. (2025).
Presented at: 5th National Conference on Artificial Intelligence (Ital-IA), Trieste, Italy.

[C7] **An Evidence-Based Study on the Relationship of Software Engineering Practices on Code Smells in Python ML Projects**
Giordano, G. and Della Porta, A. and Ferrucci, F. and Palomba, F. (2025).
Presented at: EUROMICRO Conference on Software Engineering and Advanced Applications (SEAA), Salerno, Italy.

[C8] **An Evidence-Based Study on the Relationship of Software Engineering Practices on Code Smells in Python ML Projects**
Palomba, F. and Voria, G. and Parziale, A. and Pentangelo, P. and Della Porta, A. and De Martino, V. and Recupito, G. and Giordano, G. (2025).
Presented at: EUROMICRO Conference on Software Engineering and Advanced Applications (SEAA), Salerno, Italy.