

# ANTONIO DELLA PORTA

PH.D. STUDENT

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## EDUCATION

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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

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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

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2025

### LECTURER ASSISTANT, SOFTWARE ENGINEERING (PROF. F. FER- RUCCI 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) <i>Assisted in evaluating student projects and lectured in some lection of the course.</i>
2025	LECTURER ASSISTANT, SOFTWARE ENGINEERING FOR ARTIFICIAL (PROF. FABIO PALOMBA) <i>Assisted in evaluating student projects and lectured in some lection of the course.</i>

## PROFESSIONAL SERVICES

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### STUDENT VOLUNTEER

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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

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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)
2025	JUNIOR PC MEMBER, MINING SOFTWARE REPOSITORIES (MSR'26)
2025	JUNIOR PC MEMBER, TECHDEBT (TECHDEBT'26)

## THESIS CO-ADVISING

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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

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### JOURNAL PAPERS

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- [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

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- [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'25), 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: 51th EUROMICRO Conference on Software Engineering and Advanced Applications (SEAA), Salerno, Italy.*

- [C8] **Teaching Software Engineering for Artificial Intelligence: An Experience Report**  
*Palomba, F. and Voria, G. and Parziale, A. and Pentangelo, V. and **Della Porta, A.** and De Martino, V. and Recupito, G. and Giordano, G. (2025).*  
*Presented at: 51th EUROMICRO Conference on Software Engineering and Advanced Applications (SEAA), Salerno, Italy.*