

# 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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2024

### HELP TEACHING, SOFTWARE ENGINEERING

- Assisted students in developing their projects
- Lectured in some lection of the course

## 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

## PUBLICATIONS

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### 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 in 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.*