



Pasquale Leonardo Lazzaro

Rome, Italy | Date of Birth: 19/01/2001

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Education

Roma Tre University , PhD in Computer Science and Automation	Dec 2024 – Present
<ul style="list-style-type: none">Research focused on Data Science, particularly on Data Provenance traceability and exploitation in machine learningInvestigating LLM-based approaches to enhance data reliability and preprocessing automation in AI systems	
Roma Tre University , MS in Data Engineering	Oct 2022 – Oct 2024
<ul style="list-style-type: none">Final grade: 110/110 cum laude (with honors)GPA: 30.22/30 (on a scale of 30, where grades of 30 with honors are equivalent to 31)Relevant Coursework: Data Engineering, Decision Support Systems and Analytics, Machine Learning, Artificial Intelligence, Big Data	
University of Birmingham , MS Thesis Period Abroad	May 2024 – Sept 2024
<ul style="list-style-type: none">Led a thesis project on data-centric AI and data provenance, developing innovative solutions to enhance data reliability and the efficiency of machine learning modelsOptimized system performance, reducing space requirements by 99% and cutting execution time by 50%, compared to previous technologies	
Roma Tre University , BS in Computer Science and Engineering	Oct 2019 – July 2022
<ul style="list-style-type: none">Final grade: 110/110 cum laude (with honors)GPA: 29.5/30 (on a scale of 30, where grades of 30 with honors are equivalent to 31)Relevant Coursework: Engineering Economics, Algorithms and Data Structures, Computer Science, Control Systems	

Experience

Service Manager & Big Data/AI Engineer , Poste Italiane – Rome, Italy	Nov 2024 – Present
<ul style="list-style-type: none">Oversee the end-to-end development of reporting tools, from data ingestion via ETL pipelines to data visualization, collaborating with providers and internal teams while leveraging Spark and DatabricksDefine and monitor quantitative KPIs to optimize operational performance and support data-driven decision-making	
Software Engineer Intern , Araneum Group srl – Rome, Italy	Mar 2022 – June 2022
<ul style="list-style-type: none">Developed and implemented customized NFT transfer application logic through smart contracts on the Algorand blockchain, optimizing asset management and securitySpearheaded the comprehensive deployment of smart contract solutions on the Algorand blockchain, achieving 100% compliance with decentralized protocols and security standards for all NFT applications during internship tenure	
IT Support Specialist , Roma Tre University – Rome, Italy	Mar 2021 – Apr 2022
<ul style="list-style-type: none">Specialized in data analysis and report generation, enabling data-driven decision-making and improving strategic insights for the companyStreamlined technical communication, translating complex IT concepts into clear, actionable guidance for non-technical staff, improving internal workflows and reducing support tickets by 25%	

Awards and Honors

- International Research Thesis Scholarship**, Roma Tre University – One of only four recipients of a scholarship to complete my master's thesis in Computer Engineering abroad at a top international research institution, 2024
- Excellence Scholarship**, Roma Tre University – For ranking among the **top 1%** of students at Roma Tre University, recognizing outstanding academic performance, 2023

Skills & Interests

IT: Proficient in Excel, PowerPoint, and Word. Deep knowledge of Python, C, Java, SQL, Spark, and Databricks. ICDL (International Certification of Digital Literacy).

Languages: Italian (native), English (fluent)

Community & Interest: Regular blood donor for La Rete di Tutti, actively contributing to community well-being. Passionate about traveling and exploring new cultures and broadening my perspectives through diverse experiences