

PERSONAL INFORMATION **Giacomo Acitelli**

RESEARCH ACTIVITIES

- Current **Member of the Human-Computer Interaction Research Group**
Institution DIAG, Sapienza Università di Roma, Italy
- Current **Member of the Processes, Services and Software Engineering Research Group**
Institution DIAG, Sapienza Università di Roma, Italy
- 2022-2024 **Research Engineer in the Context of the DTC-Regione Lazio Project CICERO-NET**
Institution DIAG, Sapienza Università di Roma, Italy
- August 2022 – October 2022 **Research Fellow (Assegnista di Ricerca)**
CICERO-NET: Progettazione e sviluppo di un framework e di una piattaforma software per la generazione intelligente di percorsi turistici nel territorio laziale
Institution DIAG, Sapienza Università di Roma, Italy

TEACHING EXPERIENCE

- 2024-2025 **Teaching Assistant (Tutor) of the course “Planning and Reasoning”**
ING-INF/05 - 6 CFU
Course Leader: Prof. A. Marrella
- 2024-2025 **Lecturer for the course "Metodologie di Analisi e Progettazione del Software (UML)"**
Lazio Digital ITS Academy
- 2023-2024 **Teaching Assistant (Tutor) of the course “Fondamenti di Informatica”**
ING-INF/05 - 12 CFU
Course Leaders: Prof. S. Agostinelli, Prof. E. Barba, Prof. A. Marrella, Prof. R. Navigli
- 2022-2023 **Teaching Assistant (Tutor) of the course “Fondamenti di Informatica”**
ING-INF/05 - 12 CFU
Course Leaders: Prof.ssa I. Amerini, Prof. A. Marrella, Prof. R. Navigli, Prof. F.M. Scafoglieri

EDUCATION AND TRAINING

- Current **PhD in Engineering in Computer Science**
Institution Sapienza Università di Roma, Italy
Supervisor Prof. Andrea Marrella
- May 2025 - August 2025 **Visiting PhD Student**
Institution University of Vienna, Austria
Faculty Computer Science – Research Group Workflow Systems and Technology
Supervisor Prof. Han van der Aa

November 2023 Visiting PhD Student**Institution** Free University of Bozen-Bolzano, Italy**Faculty** Engineering**Supervisor** Prof. Fabrizio Maria Maggi**2022 MSc in Engineering in Computer Science (Laurea Magistrale in Ingegneria Informatica)****Thesis** Cost-Based Trace Alignment in Process Mining via Automated Planning, Defended on 23 May 2022**Mark** 110/110 with honors**Institution** Sapienza Università di Roma, Italy**2019 BSc in Computer and System Engineering (Laurea Triennale in Ingegneria Informatica e Automatica)****Thesis** Realizzazione di una base di dati con PostgreSQL e confronto con il modello non relazionale, Defended on 22 October 2019**Mark** 110/110**Institution** Sapienza Università di Roma, Italy**2014 High School Leaving Qualification in Classical Studies****Mark** 84/100**Institution** Liceo Classico Cornelio Tacito – Rome, Italy**CERTIFICATIONS AND LICENSES****November 2023 Professional Qualification as Information Engineer (Abilitazione alla Professione di Ingegnere dell'Informazione)****Institution** Sapienza Università di Roma, Italy**MAIN RESEARCH AREAS**

Business Process Management, Process Mining, Process Adaptation, Process Resilience, Robotic Process Automation, Automated Planning and Reasoning about actions in Artificial Intelligence, Human-Computer Interaction, Human-Robot Interaction.

SELECTED PUBLICATIONS

- 1 Giacomo Acitelli, Elisa De Bellis, Fabrizio Maria Maggi, Andrea Marrella, Fabio Patrizi: *Aligning Metric Temporal Constraints and Event Logs via Numeric Planning*. Business Process Management, BPM 2025, Lecture Notes in Computer Science, vol. 16044, Springer, Cham, 2026
- 2 Giacomo Acitelli, Anti Alman, Fabrizio Maria Maggi, Andrea Marrella: *Achieving framed autonomy in AI-augmented business process management systems through automated planning*. Information Systems, Volume 133, 2025, 102573, ISSN 0306-4379
- 3 Giacomo Acitelli, Simone Agostinelli, Angelo Casciani, Andrea Marrella: *An End-To-End Execution of a Logistic Process in an AI-Augmented Business Process Management System*. International ECAI Workshop on Process Management in the AI era, PMAI@ECAI 2024.
- 4 Giacomo Acitelli, Simone Agostinelli, Angelo Casciani, Andrea Marrella: *The Role of Trust in AI-Augmented Business Process Management Systems*. International BPM Workshop on Artificial Intelligence for Business Process Management, AI4BPM@BPM 2024.
- 5 Alessandro Palma, Giacomo Acitelli, Andrea Marrella, Silvia Bonomi, Marco Angelini: *A compliance assessment system for Incident Management process*. Computers & Security, 146 (2024), 104070.

- 6 Giacomo Acitelli, Marco Angelini, Silvia Bonomi, Fabrizio Maria Maggi, Andrea Marrella, Alessandro Palma: *Context-Aware Trace Alignment with Automated Planning*. 4th International Conference on Process Mining, ICPM 2022
- 7 Simone Agostinelli, Giacomo Acitelli, Michela Capece, Massimo Mecella: *A Human-in-the-loop Approach to Support the Segments Compliance Analysis*. 20th International Conference on Business Process Management, BPM 2022

PERSONAL SKILLS

Mother tongue Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Spanish	A2	A2	A2	A2	A2

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
[Common European Framework of Reference for Languages](#)

Programming languages

Basic HTML, XML, CSS, JavaScript, PHP, Assembly, C++
Intermediate Python, C, SQL
Advanced Java, Android, PDDL

Digital skills

Operating Systems Unix, Windows
Office Automation LATEX, OpenOffice, LibreOffice, Microsoft Office
Modeling Languages Unified Modeling Language (UML), Entity-Relationship (ER)
Methodologies Agile (Scrum)
Standards HTTP, Rest, Soap, TCP/IP, SSL, SSH
Others Arduino, Maven, Git, Virtualbox, MySQL, ActiveMQ, ProM, Netkit, Wireshark

LIST OF EXAMS TAKEN DURING THE MASTER'S DEGREE

- 1 Network Infrastructures, 28/30
- 2 Algorithm Design, 28/30
- 3 Machine Learning, 23/30
- 4 Formal Methods, 30/30
- 5 Data Management, 27/30
- 6 Software Engineering, 30/30
- 7 Distributed System and Computer and Network Security, 26/30
- 8 Seminars in Advanced Topics in Computer Science Engineering, Qualified
- 9 Topics in Physics, 30 cum laude
- 10 Human Computer Interaction, 30 cum laude
- 11 Neural Networks, 30/30
- 12 Interactive Graphics, 28/30
- 13 Mobile Application and Cloud Computing, 30/30
- 14 Process Management and Mining, 30 cum laude

PROJECTS DONE DURING THE MASTER'S DEGREE

- 1 Web Information Retrieval Project: mining and information retrieval techniques are applied to assess value of cooperation in Wikipedia showing a strong correlation between number of edits and article quality.
- 2 Human Computer Interaction Project: Android application developed following the "User-Centered" design and the "usability" principles for interactive systems.

- 3 Interactive Graphics Project: interactive web application in 3D graphics with emphasis on animation, lighting and shading techniques.
- 4 Mobile Application and Cloud Computing Project: Android application for Formula 1 lovers. The application meets the following requirements: responsive layout, authentication service (google's sign in), multi-thread, use of external Web-APIs, external storage service (Firebase db) and personal backend.
- 5 Process Management and Mining Project: modeling, automation and monitoring of business processes with business process automation, robotic process automation and process mining techniques.