

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
- Current** **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

- 2022-2023** **Teaching Assistant (Tutor) of the Course “Fondamenti di Informatica”**  
Databases - 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
- 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

## 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 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
- 2 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

## 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

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

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- 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. Link of the project: [https://github.com/giacomo1096/WIR\\_project](https://github.com/giacomo1096/WIR_project)
- 2 Human Computer Interaction Project: Android application developed following the "User-Centered" design and the "usability" principles for interactive systems. Link of the project: [https://github.com/giacomo1096/HCI\\_project](https://github.com/giacomo1096/HCI_project)
- 3 Interactive Graphics Project: interactive web application in 3D graphics with emphasis on animation, lighting and shading techniques. Link of the project: [https://github.com/giacomo1096/IG\\_project](https://github.com/giacomo1096/IG_project)
- 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. Link of the project: <https://github.com/giacomo1096/F1App>
- 5 Process Management and Mining Project: modeling, automation and monitoring of business processes with business process automation, robotic process automation and process mining techniques.