

# Gabriele De Lucia

Rome, Italy — gabriele.delucia@outlook.it — +39 333 791 87 86

ResearchGate — LinkedIn

## Introduction

---

Master's student in Computer Science at Sapienza University of Rome, with research interests in **human-computer interaction (HCI)**, machine learning, and digital commensality. My work focuses on **AI-driven interactive agents**, multimodal interfaces, and behavioral recognition. Actively seeking research opportunities aligned with **LLM-based conversational agents**.

## Education

---

**M.Sc. in Computer Science, Sapienza University of Rome** (2022 – 2025)

- Relevant courses: Big Data Computing, Autonomous Networking, Computer Vision, Bioinformatics, Distributed Systems

**B.Sc. in Computer Science, Sapienza University of Rome** (2017 – 2021)

- **Graduation grade: 91/110**

- Thesis: *Automatic recognition of eating behaviours during videoconference*

## Experience

---

**University Tutor, Sapienza University of Rome** (Sep 2023 – Feb 2024)

- Conducted a statistical analysis of students' academic careers using Python, NumPy, Pandas, and Excel, identifying key trends and performance patterns to enhance educational strategies.

**Analyst Consultant, Capgemini** (Nov 2021 – Nov 2022)

- Worked on multiple projects, the most significant involving the development of a web application for the internal management of a major bank. Collaborated with a team to design the database, develop the UX/UI, and implement business logic, ensuring a robust and scalable solution aligned with the client's requirements. Each member of the team contributed to different aspects of the project in a collective effort utilizing OutSystems, a low-code platform for web app development, to accelerate deployment and enhance maintainability.

## Research & Publications

---

**A Virtual Agent as a Commensal Companion**

- M. Mancini, R. Niewiadomski, G. De Lucia, F. M. Longobardi

- **IVA 2024: ACM International Conference on Intelligent Virtual Agents**

**Towards Commensal Activities Recognition**

- R. Niewiadomski, G. De Lucia, G. Grazzi, M. Mancini

- **ICMI 2022: International Conference on Multimodal Interaction**

**Social Interaction Datasets in the Age of Covid-19: A Case Study on Digital Commensality**

- E. Ceccaldi, G. De Lucia, R. Niewiadomski, G. Volpe, M. Mancini

- **AVI 2022: International Conference on Advanced Visual Interfaces**

## Technical Skills

---

- **Unity 3D:** Experience in interactive 3D application development

- **Machine Learning:** Behavioral recognition and data-driven AI systems

- **Python, OpenFace, MediaPipe:** Tools for gesture and activity recognition

## Languages & Certifications

---

**Languages:** Italian (Native), English (B2)

**Certifications:** AWS Academy Cloud Foundations, OutSystems Associate Developer, UX Design Foundations (Coursera)