PERSONAL INFORMATION Giordano Cicchetti

WORK EXPERIENCE

April 2023 – October 2023 — **Internship**

Enel Global Services s.r.l., Data Science Team
Viale Regina Margherita n. 125, 00198, Roma (Italy)

– Curricular internship valid for master's thesis course in computer science engineering.
– Development of artificial intelligence models and algorithms for restoring the original quality of degraded documents aimed at improving the efficiency of optical character recognition systems (OCR).
– Use of Amazon Web Services cloud platform for the design, development, training, and deployment of the aforementioned models.

EDUCATION AND TRAINING

2023–now — **PhD - Information Communication Technology (ICT)** — ISCED 6

La Sapienza Università di Roma, Italy
Research field: Semantic-preserving generative deep learning.

2021–2023 — **Master degree in Engineering in computer science** — ISCED 5

La Sapienza Università di Roma, Italy
Graduation grade: 110/110 cum laude
Thesis title: "A ResFormer-Based Network for Document Enhancement"

– machine learning
– neural network and deep learning
– computer vision
– data science
– design and development of algorithms

2018–2021 — **Bachelor degree in Engineering in computer science** — ISCED 5

La Sapienza Università di Roma, Italy
Graduation grade: 110/110 cum laude

– engineering courses: linear algebra, advanced mathematics, physics, statistics, etc.
– software engineering
– web application development
– operating systems
– advanced programming lab

PERSONAL SKILLS

Mother tongue Italian

Other languages

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	B2	B2	B2
Cambridge B2 First (FCE) certificate - B2				

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

Communication skills
– team work: I have worked in various types of teams: research teams, industrial development team,s and collaboration teams for university projects.
– confident, articulate, and professional speaking abilities
– excellent presentation skills

Digital competences

SELF-ASSESSMENT				
Information Processing	Communication	Content creation	Safety	Problem solving
Proficient user	Independent user	Proficient user	Independent user	Proficient user

Digital competences - Self-assessment grid

Computer skills
– proficient knowledge of programming languages: Python, Java, C, C++
– proficient knowledge of programming frameworks and libraries: PyTorch, TensorFlow, PyTorch-Lightning, etc.
– experience with HTML, CSS, JS, TypeScript.

Driving licence B

PUBLICATIONS

[1] **Giordano Cicchetti**, Eleonora Grassucci, Jihong Park, Jinho Choi, Sergio Barbarossa, and Danilo Comminiello. "Language-Oriented Semantic Latent Representation for Image Transmission". In: *arXiv e-prints*, arXiv:2405.09976 (May 2024), arXiv:2405.09976. arXiv: 2405.09976 [cs.CV].

[2] **Giordano Cicchetti** and Danilo Comminiello. "NAF-DPM: A Nonlinear Activation-Free Diffusion Probabilistic Model for Document Enhancement". In: *arXiv preprint arXiv:2404.05669* (2024).

[3] Eleonora Grassucci, Jinho Choi, Jihong Park, Riccardo F Gramaccioni, **Giordano Cicchetti**, and Danilo Comminiello. "Rethinking Multi-User Semantic Communications with Deep Generative Models". In: *arXiv preprint arXiv:2405.09866* (2024).