



Giulia Nardini

ABOUT ME

I'm studying Engineering at Sapienza University and I can't wait to give my contribution in designing new technologies for the benefit of our society. The study I carried out for my bachelor thesis and its further insights are framed by the collaboration between Sapienza University and the "Bambino Gesù" Pediatric Hospital, focused on AI applications for Health, and the project CADUCEO, funded by MISE (MIMIT).

EDUCATION AND TRAINING

[Sep 2022 – Current]

Master of Science in Artificial Intelligence and Robotics

Sapienza University of Rome

AI, ML, DL, Robotics, Medical Robotics, Neuroengineering, Vision and Perception.

[Oct 2019 – Jul 2022]

Bachelor of Science in Clinical Engineering

Sapienza University of Rome

Final grade: 110/110 cum laude

Thesis: "Data Augmentation tramite Reti Avversarie Generative per l'Addestramento di Modelli di Machine Learning in Ambito Biomedico", Supervisor: Prof. Antonio Pietrabissa, Co-supervisor: Dr. Danilo Menegatti

[2014 – 2019]

Diploma di maturità scientifica

Liceo Scientifico Statale Aristotele, Cambridge IGCSE

Final grade: 100/100 cum laude

IGCSE exams: Physics (A), Mathematics (A*), English as a Second Language, Geography, Art & Design.

WORK EXPERIENCE

[Jul 2022]

Sailing Instructor Assistant

Velamare Club

[Aug 2021 – Sep 2021]

URSI GASS Volunteer On Site Staff

Sapienza University of Rome

Name of unit or department: Civil and Industrial Engineering

[Jul 2021]

Sailing Summer Camp Staff

Lega Navale Italiana, sezione Pomezia

[Jun 2018]

TIM "Digital transformation" Immersive Summer Camp

TIM and "Fondazione Mondo Digitale"

Leader of the winning team in the Final Project-Work.

Topics: Virtual Reality, 3D printing, IoT, Big Data cloud, smart cities, business processes.

[2017]

"Public-key Cryptography"

Roma Tre University, Department of Mathematics and Physics

After the course we organized cryptography games for kids visiting the university in occasion of the "European Researcher's Night".

DIGITAL SKILLS

Coding

Programming languages: Python, PDDL, currently learning C++ | Softwares: MATLAB, OpenSim, AutoCAD, currently learning ROS | Libraries: NumPy, Matplotlib, Pandas, SciKit-Learn | Machine Learning frameworks: PyTorch, Tensorflow, Keras

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING C2 READING C2 WRITING B2

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

LANGUAGE CERTIFICATES

[Aug 2022] **IELTS Academic**

Overall Band Score: 7.5

[Jun 2018] **IGCSE English as a Second Language**

Cambridge Assessment International Education

[Jun 2016] **First Certificate in English (B2)**

Cambridge English Language Assessment

COURSES AND CERTIFICATES

[Current] **UISP - CONI 1° level sailing instructor Course**

[2020] **Specialistic Course in "Sustainability Science"**

Sapienza University of Rome

COMPETITIONS AND AWARDS

[Dec 2021] **European BEST Engineering competition, Local Round**

Project focused on sustainability in the city of Rome: waste collection and recycling, circular economy.

[2014] **Certificate d'Inscription au Tableau d'Honneur, AMOPA, section italienne**

HOBBIES AND INTERESTS

Scientific interests

Surgical robotics | AI for biomedical imaging | Control theory in the medical field | Bioethics

Personal interests

Sailing and the physics principles beyond it | Swimming | Traveling and exploring nature