



Alessandro Scipioni

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WORK EXPERIENCE

UNIVERSITY RESEARCH ASSISTANT – SAPIENZA UNIVERSITY OF ROME – May 2025 – Oct 2025 – ITALY

MASTER'S DEGREE TUTOR – SAPIENZA UNIVERSITY OF ROME – Sep 2024 – Jan 2025 – ROME, ITALY

Academic support provided to students in the Nanotechnology Engineering Master's program. Contributions are made to the improvement of academic materials and to the activities of the Quality Assurance Committee, aimed at enhancing educational standards and the overall student experience.

IT SPECIALIST – HYLOBATES CONSULTING SRL – Jan 2021 – Jan 2023 – ROME, ITALY

Extracted, analyzed, and organized complex datasets on botanicals and other materials to improve data accessibility and streamline decision-making processes. Developed innovative solutions to data management challenges, enhancing operational efficiency across projects. Managed tasks and timelines for data-related initiatives, ensuring successful project delivery.

ADMINISTRATIVE ASSISTANT – HYLOBATES CONSULTING SRL – Apr 2019 – Jan 2021 – ROME, ITALY

Managed complex scheduling, travel arrangements, and email correspondence for the Managing Director, ensuring efficient coordination of daily operations. Organized agendas, prepared responses, and handled follow-ups to maintain clear communication with internal and external stakeholders. Anticipated needs, resolved potential issues proactively, and implemented solutions to optimize time management.

BASKETBALL REFEREE – ITALIAN BASKETBALL FEDERATION – Sep 2014 – Mar 2019 – ROME

Basketball referee from youth leagues to Serie D in the final year. This experience fostered the ability to work effectively under pressure, make quick and efficient decisions, and collaborate within a team environment.

EDUCATION AND TRAINING

OCT 2025 – CURRENT Pisa, Italy

INTERNATIONAL PH.D. PROGRAMME IN EMERGING DIGITAL TECHNOLOGIES Sant'Anna School of Advanced Studies

Curriculum: Photonic Technologies

Topics: Integrated Photonics, graphene.

SEP 2023 – JAN 2025 Rome, Italy

M. SC. DEGREE IN NANOTECHNOLOGY ENGINEERING Sapienza University of Rome

Advanced knowledge and practical skills for designing, fabricating, and controlling micro and nano-scale devices, systems, and processes. Integrating foundational principles from physics, chemistry, and engineering.

Average: 30/30

Final grade 110/110 Cum Laude | **Level in EQF** EQF level 7 |

Thesis Enhanced Multispectral Detection of Breast Cancer Biomarkers Using 1D Photonic Crystals

MAY 2024 – JUN 2024 Tübingen, Germany

INTERNATIONAL SUMMER SCHOOL ON NANOSCIENCE & NANOTECHNOLOGIES Eberhard Karls University of Tübingen

Main topic addressed: Quantum Technologies, Nanoscale spectroscopy, Molecular Biophysics, Chemistry of Nanoscale Materials, Catalysis, Nanobiotechnology

SEP 2019 – JUL 2022 Rome, Italy

B. SC. DEGREE IN CLINICAL ENGINEERING Sapienza University of Rome

Final grade 110/110 Cum Laude | **Level in EQF** EQF level 6

SEP 2014 – JUL 2019 Rome, Italy

SCIENTIFIC HIGH SCHOOL DIPLOMA Liceo Scientifico Statale L. Pasteur

Level in EQF EQF level 4

● LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	B2	B2	B2

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

● SKILLS

Programming Languages

MATLAB | Python | labVIEW

Others

Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access | Origin software (data processing and analysis) | LaTeX: used for documents preparation (e.g. reports and presentations).

● HONOURS AND AWARDS

2023

Honours Program in Nanotechnology Engineering – Sapienza University of Rome

Program reserved for the best 10 students of the course.

Honours Program conducted within the Department of Information Engineering, Electronics and Telecommunications (DIET).

Project title: Fabrication and characterization of thin film sensors.

● PROJECTS

MAR 2024 – JUL 2024

EOG for eye tracking

Project in partnership with STMicroelectronics.

Use of a new electrostatic sensor produced by STMicroelectronics for the realization of a wearable system designed for recording Electrooculography (EOG).

Main tasks: Test protocol definition, systematic tests, design and implementation of an algorithm for the analysis and recognition of signals in Matlab and Python.