Alessandro Scipioni

Date of birth: | **Nationality:** | **Sex:** | **Email:**

WORK EXPERIENCE

⊞ SAPIENZA UNIVERSITY OF ROME – ROME, ITALY

UNIVERSITY RESEARCH ASSISTANT – 05/2025 – CURRENT

Development of a remote ellipsometer in the frame of the PNRR-Digital Education Hub project running at SAPIENZA University.

⊞ SAPIENZA UNIVERSITY OF ROME – ROME, ITALY

MASTER'S DEGREE TUTOR – 09/2024 – 01/2025

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.

⊞ HYLOBATES CONSULTING SRL – ROME, ITALY

IT SPECIALIST – 01/2021 – 01/2023

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.

⊞ HYLOBATES CONSULTING SRL – ROME, ITALY

ADMINISTRATIVE ASSISTANT – 04/2019 – 01/2021

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.

⊞ ITALIAN BASKETBALL FEDERATION – ROME

BASKETBALL REFEREE – 09/2014 – 03/2019

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

09/2023 – 01/2025 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

05/2024 – 06/2024 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

09/2019 – 07/2022 Rome, Italy
B. SC. DEGREE IN CLINICAL ENGINEERING Sapienza University of Rome

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

09/2014 – 07/2019 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 analysys) | LaTex: used for documents preparation (e.g. reports and presentations).

PROJECTS

03/2024 – 07/2024
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 od an algorithm for the analysis and recognition of signals in Matlab and Python.

HONOURS AND AWARDS

2023
Honours Program in Nanotechnology Engineering – Sapienza University of Rome

Program reserved for the best 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.

04/2025
Bando Award 2024 Rome Technopole – Rome Technopole

Project ECS000024 Rome Technopole - CUP B83D21014170006 PNRR - Mission 4 - Component 2 - Investment 1.5 funded by the European Union - NextGenerationEU

Awarding 480 scholarships to the best graduates in the Lazio region.