



Matilde Aronne

Date of birth: 12/06/1997 | **Nationality:** Italian | **Gender:** Female | **Phone number:**

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<https://www.linkedin.com/in/matilde-aronne-49948b186> |

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Address: Via San Pietro 1, 80013, CASALNUOVO DI NAPOLI, Italy (Home) |

Address: 10143, Torino, Italy (Via Brione 6)

ABOUT ME

Biomedical engineer, bachelor degree at Università degli studi di Napoli "Federico II", master degree, Bionanotechnology path, at Politecnico di Torino.

WORK EXPERIENCE

01/09/2019 – 01/11/2019 Napoli, Italy

LIBRARY ASSISTANT DIETI (DIPARTIMENTO DI INGEGNERIA ELETTRICA E DELLE TECNOLOGIE DELL'INFORMAZIONE)

library assistant at DIETI department, university of Naples "Federico II", as part time job

Business or Sector Education | **Address** via Claudio 21, edificio 3, 2° piano, locali 2.29/2.30, 80121, Napoli, Italy |

Email biblioteca.dieti@unina.it | **Website** <https://biblioteca.dieti.unina.it/index.php/it/info-bib>

25/01/2022 – 01/04/2023 Torino, Italy

LEARNING MENTOR

Tutor online for high school students, math and physics

EDUCATION AND TRAINING

14/09/2011 – 02/07/2016 Napoli, Italy

SCIENTIFIC HIGH SCHOOL DIPLOMA - APPLIED SCIENCE Liceo scientifico - linguistico statale "V. Cuoco- T. Campanella

Address Vico Annibale De Gasparis 12, 80137, Napoli, Italy | **Website** <https://www.liceocuoco.edu.it/> | **Final grade** 100

20/09/2016 – 05/11/2019 Napoli, Italy

BACHELOR DEGREE Università degli studi di Napoli "Federico II"

- basic knowledges of Electronics, Physics, Mathematics, Thermodynamics
- Fluidics and time lapse monitoring
- statistical analysis

Address Corso Umberto I 40, 80138, Napoli, Italy |

Website http://www.unina.it/home?sessionId=3C434CF983DE7E73BE6A3CC4DA5CD016.node_publisher11 |

Field of study Engineering, manufacturing and construction | **Final grade** 110 |

Thesis The role of biofilms' growing conditions on bacteria motility

06/11/2019 – 27/07/2022 Torino, Italy

MASTER DEGREE Politecnico di Torino

- microfluidic systems
- organ on chip and lab on chip
- pancreas on chip
- fabrication techniques (soft lithography and 3D printing)

- biomechanics
- electrospinning technique
- biomaterials

Address Corso Duca degli Abruzzi 34, 10129, Torino, Italy | **Website** <https://www.polito.it/> |

Field of study Engineering, manufacturing and construction | **Final grade** 108 |

Thesis Development of an organ-on-chip model to mimic exocrine pancreas

01/02/2023 – CURRENT Torino, Italy

PHD Politecnico di Torino

- Additive manufacturing technique for green materials
- Additive manufacturing process
- Material science
- CAD design
- Material characterization

Website <https://www.polito.it/> | **Field of study** Engineering and engineering trades not elsewhere classified

Milano, Italy

ATTENDANCE CERTIFICATE gruppo nazionale di bioingegneria

Address Piazza Leonardo da Vinci, 32 I, 20133, Milano, Italy | **Website** <https://www.grupponazionalebioingegneria.it/it/> |

Field of study bioingegneria

Torino, Italy

24 CFU TEACHING QUALIFICATION Cifis Piemonte

Address Via Verdi 8, 10124, Torino, Italy | **Website** <https://www.tfa-piemonte.unito.it/do/home.pl> |

Field of study Inter-disciplinary programmes and qualifications involving education

Napoli, Italy

IELTS British council

Address Via Raffaele Morghen, 36, 80129, Napoli, Italy | **Website** <https://www.britishcouncil.it/inglese/scuola/napoli> |

Final grade 6.5

08/05/2023 – 12/05/2023 Torino, Italy

ATTENDANCE CERTIFICATE Politecnico di Torino - STMicroelectronics

PhD School given by STMicroelectronics

Address corso duca degli abruzzu 34, 10129, Torino, Italy | **Website** <https://www.polito.it/> |

Field of study Electronics and automation , Inter-disciplinary programmes and qualifications involving engineering, manufacturing and construction

● LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

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

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

● DIGITAL SKILLS

Basic knowledge of Autodesk Netfabb for design of models for 3D printing | Zoom | Responsibility | Good listener and communicator | Good knowledge of Microsoft Office (Word, Excel, PowerPoint and Outlook) | Decision-making | Social Media | Matlab & Matlab/Simulink | Skype | Excellent writing and verbal communication skills | Strategic Planning | Organizational and planning skills | Presenting | Flexibility | Reliability | Written and Verbal skills | Internet user | Gmail | Intermediar knowledge C++ | Rhinoceros 3D | Basic knowledge of Nastran/

Patran | MeshMixer (3d printing) | Microsoft Office | Team-work oriented | Motivated | Outlook | Microsoft Word | Google Drive | Instagram | Microsoft Excel | Microsoft Powerpoint | Google Docs | Android (basic level) | Microsoft Windows Server All Versions | Data Collection, Data Cleaning, Data Analysis, Data Visualisations | Other: Physics, Mathematics, Statistics. | 3D modeling & 3D printing | Additive Manufacturing Techniques | Soft Lithography | Microfluidics | experience with polymeric materials | Thin film deposition: Electrospinning, Spray coating and Drop casting | Fusion-360 | ultimaker cura | Slic3R

● ADDITIONAL INFORMATION

SOCIAL AND POLITICAL ACTIVITIES

11/2011 – 11/2013 Liceo scientifico- linguistico statale "V. Cuoco- T. Campanella"

Student representative

DRIVING LICENCE

Driving Licence: B | 14/01/2016 – 12/06/2026

RECOMMENDATIONS

Matteo Cocuzza Professore associato

tutor during my thesis work, for master degree

Email matteo.cocuzza@polito.it | **Phone** (+39) 0110907392

Sergio Caserta Professore associato

tutor during my thesis work, for my bachelor degree

Email sergio.caserta@unina.it | **Phone** (+39) 0817685971

MANAGEMENT AND LEADERSHIP SKILLS

problem solving thanks to my lab works, I've learnt how to manage problems, to find new solutions for unexpected events.

organizational capacity and timetables management Marked organizational capacity, due to the necessity to balance study and sport since I was at primary school.

communication skills Good team leadership skill, thanks to the student representative period during high school

team working Strong aptitude to team work, linked to my past and present experiences of team work, as dancer and as research group member.