

MARGHERITA VITUCCI

STUDENT

PERSONAL PROFILE

I am a student of Nanotechnology Engineering and I'm 24. In the course of my undergraduated studies I acquired a theoretical knowledge on physics, mathematics, chemistry, nanosciences, nanostructure characterisation and fabrication techniques.

During my internship I learned ultrafast optical spectroscopy with femtosecond laser to investigate dynamical processes in nanomaterials.

I am a determined girl, who likes to work in a team and when I set myself a goal I work hard to achieve it.

I am always looking for new stimuli to enrich my knowledge and skills.

LANGUAGES

- Italian: mother tongue
- English: fluent
- French: fluent

HARD SKILLS

- Optics, laser spectroscopy
- Data analysis
- Microsoft Office package, LaTeX
- Python
- MATLAB
- COMSOL

EDUCATION AND RESEARCH

Master's Degree in Nanotechnology Engineering

University of Rome La Sapienza
2020-2023

Final grade: 110/110 cum laude

Thesis: "Ultrafast thermal and acoustic dynamics in nanomaterials: CNTs and GeTe"

Master's internship

Institut Lumière Matière (ILM) of Lyon, France
FemtoNanoOptics group
October 2022 - April 2023

Summer school: NANOSUM 2022

International summer school on Nanosciences and Nanotechnologies, 13-17 June 2022, Carry-le-Rouet, France

Bachelor's Degree in Biomedical Engineering

University of Rome La Sapienza
2017-2020

Final grade: 110/110 cum laude

Thesis: "Analysis of the biomechanical behaviour of peripheral nerves, associated pathologies and cell regeneration using scaffolds"

Liceo scientifico Amedeo Avogadro

Graduated in 2017
Final grade: 100/100

PROFESSIONAL EXPERIENCE

Assistant to didactical activity

2021-current

University of Rome La Sapienza

Training for engineering students, 210 hours per year

Collaborator in University libraries

2019-2022

University of Rome La Sapienza

Administrative and technical tasks, 210 hours per year

Private tutor

2017-current

Private lessons on scientific subjects for middle and high school students, 200 hours per year

VOLUNTEERING

2015-2018 at CARITAS

Canteen service and dormitory cleaning in public sheltering services

SOFT SKILLS

