

Matteo Ambrosetti

10/20/1990 - Rome

PURPOSE

I am a nanotechnology engineer interested in increasing my personal knowledge from a scientific point of view. My actual purpose is to become able to find interesting problems and solve them on my own.

EDUCATION

PhD student in “*Methods and Models for Molecular Sciences*” - University of Pisa “*Scuola Normale Superiore*” 2016 - present

MSc. *Nanotechnology Engineering* - University of Rome “*La Sapienza*” 2013 - 2016

FINAL MARK 110/110 CUM LAUDE

MSc. Thesis: “*Translocation of amino acid through a nanopore on 2D substrate*”

Advisor: Prof. Chinappi Mauro, University of Rome “*La Sapienza*”

BSc. *Clinical Engineering* - University of Rome “*La Sapienza*” 2009 - 2013

BSc. Thesis: “*Deposition and characterization of aluminum oxide for digital microfluidic*”

Advisor: Prof. Caputo Domenico, University of Rome “*La Sapienza*”

PRINCIPAL SUBJECTS

- Computational biochemistry, Computational condensed matter physics, Models and atomistic simulation techniques, Atomistic and micro-fluidic simulations, Microscopy, Electronics, Chemistry, Physics, Quantum mechanics, Mathematics.

EXPERIENCE & ABILITIES

Practical

- Employed by the company *Solido3D* (Rome, Italy) - 3D printing for new low-cost *DLP* printer May - July 2016
- Laboratory of Microelectronic Technologies, Department of Engineering of the information, Electronics and Telecommunications (Rome, Italy) - Sputtering deposition and characterization of Alumina July - October 2013

Computer Science

- Familiar with use and programming in *C*, *bash*, *MATLAB*, *Cmsol Multiphysics*, *OpenFoam* and *Latex*
- Intermediate/Expert in programming in *Fortran* and *Tcl*
- Expert with use and programming in *NAMD* and *VMD* software

Teaching

- Private lessons to high school/university students 2010 - 2016

LANGUAGES

- Italian - native language
- English - speak and read fluently

REFERENCES

Dr. Mauro Chinappi - Post-doc at Center for Life Nano Science, IIT

maurochinappi@gmail.com

*Prof. Domenico Caputo - Associate Professor Department of Information,
Electronics and Telecommunication Engineering*

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CONTACTS

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