

PIERPAOLO D'ANTONI

PERSONAL INFO

- **Birth date:** 11/12/1997
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EDUCATION

Master Degree in Chemistry (QEQ level 7) 30/12/19 - 22/07/22
Materiali nanostrutturati e sistemi complessi - curriculum TCCM (Theoretical Chemistry and Computational Modelling)
Dipartimento di Scienze Chimiche e Farmaceutiche
Università degli Studi di Trieste, Trieste (Italy)
Thesis Title: Implementation and validation of an accelerated Hybrid Diagonal Approximation by Resolution of the Identity approach
Supervisor: prof. Mauro Stener (Università degli Studi di Trieste)
Co-supervisor: Marco Medves
Final mark: 110/110 con lode

Internship at Vrije Universiteit Amsterdam 01/02/22 - 30/04/22
Within the context of my master thesis work I spent three months in the offices of Software for Chemistry Materials B.V. (SCM) which is an Academic spin-off of Vrije Universiteit Amsterdam. There I had the opportunity to learn from experts the likes of Ph.D. Erik V. Lenthe, Professor L. Visscher and Professor E. J. Baerends and to get familiar with a workhorse code in quantum chemistry such Amsterdam Modelling Suite (AMS)
Supervisor: prof. Visscher Lucas

TCCM Theoretical Methods for Simulation of Materials 22/02/21 - 05/03/21
Universidad Autonoma de Madrid, Madrid (Spain)
Main topics: Design and study of organic and inorganic molecules by using DFT, Hartree-Fock and Molecular Dynamics methods.
Notes: This course was attended online due to Covid-19 pandemic emergency

<https://www.irsamc.ups-tlse.fr/lttc/>

TCCM Winter School LTTC

25/01/21 - 08/02/21

Université Paul Sabatier, Toulouse (France)

Main topics: Theory and implementation of Hartree-Fock, DFT, Molecular Dynamics and Quantum Dynamics methods

Notes: Winter School was attended online due to Covid-19 pandemic emergency

<https://www.irsamc.ups-tlse.fr/lttc/>

TCCM Multiscale, Machine learning and QSAR Methods applied to biomolecules

25/10/20 - 31/10/20

Università degli Studi di Perugia, Perugia (Italy)

Main topics: Theory and implementation of machine learning and QSAR methods

<https://www.master-up.it/ml.php>

TCCM International Intensive Course

10/09/20 - 05/10/20

Universidad Autonoma de Madrid, Madrid (Spain)

Main topics: Theory and implementation of Hartree-Fock, DFT, TDDFT, Molecular Dynamics, Quantum Dynamics and Wave-function Analysis methods

Notes: This intensive course was attended online due to Covid-19 pandemic emergency

<https://www.emtccm.org/>

Bachelor Degree in Chemistry (QEQ level 6)

20/09/16 - 13/12/19

Dipartimento di Scienze Chimiche e Farmaceutiche

Università degli Studi di Trieste, Trieste (Italy)

Thesis title: *Sintesi ed analisi cristallografica del sale sodico della Malondialdeide*

Supervisor: prof. Neil Hickey (Università degli Studi di Trieste)

During the thesis experience I had access to a beam line at the "Sincrotrone ELETTRA" in Basovizza (Trieste). Final mark: 106/110

High School Degree (QEQ level 4)

12/09/2011 - 04/07/16

Liceo Scientifico N. Copernico, Udine (Italy)

Final mark: 87/100

ACHIEVEMENTS

On 12 October 2021 my application to the HPC-Europa3 Transnational Access programme was approved. The Scientific Users Selection Panel rated deserving my application "HDA INTEGRALS MA-

TRIX ELEMENTS BY EFFICIENT DENSITY FITTING" assigning me a scholarship to visit Prof. Dr. Lucas Visscher of the Faculty of Science - Division of Theoretical Chemistry, Vrije Universiteit Amsterdam, with HPC resources and support provided by SURF Research & ICT. During this period I had access to 50.000 core hours at the Dutch National Supercomputer "Snellius".

PERSONAL SKILLS

Languages:

Italian (native language)

English (spoken and written)

Programming languages:

Fortran90, Python (basic knowledge) and LaTeX.

Soft skills:

- Pragmatic and focused, I am able to stay calm and give the best under any circumstance
- Not afraid of being on stage and to speak in front of an audience
- Able to read situations and adapt my behaviour accordingly
- Limited means have always been for me opportunities to get cleverer ideas
- During my afterschool experiences (I was a member of the theater and of the circus group) and working as an entertainer (from 2011 to 2017) in the local summer camp I improved my team working skills

TRIESTE 31/10/2022



VALIDA FINO AL 11/12/2028



AY 4580090

IPZS s.p.a. - OCY - ROMA

REPUBBLICA ITALIANA



COMUNE DI
TALMASSONS

CARTA D'IDENTITA'

N° AY 4580090

DI

D'ANTONI
PIERPAOLO

Cognome.....D'ANTONI.....
Nome.....PIERPAOLO.....
nato il.....11/12/1997.....
(alto n. 23 P. I. S. A.....)
a.....UDINE.....
Cittadinanza.....ITALIANA.....
Residenza.....TALMASSONS.....
Via.....VIA AQUILASTA 72 A.1.....
Stato civile.....ONCESO-ART. 2 C. 9 L. 127/97.....
Professione.....STUDENTE.....
CONNOTATI E CONTRASSEGNI SALIENTI
Statura.....m. 1.95.....
Capelli.....castani.....
Occhi.....AZZURRI.....
Segni particolari.....n.n.....



Firma del titolare.....

TALMASSONS

02/01/2018

Impronta del dito
indice sinistro

d'Ordine del Sindaco
Il Delegato
Angelo Zaffaroni

