

# PIERPAOLO D'ANTONI

## PERSONAL INFO

---

- Birth date: 11/12/1997
- Address: Via Aquileia 72, 33030 Talmassons (Italy)
- Phone: +39 3425906779
- e-mail: dantonipierpaolo@gmail.com
- Skype: Pierpaolo.Dantoni



## 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:

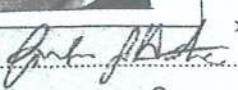
- Pragmatic and focused, I am able to stay calm and give the best under any circumstance
- Not afraid of being on stage and to speak in front of an audience
- Able to read situations and adapt my behaviour accordingly
- Limited means have always been for me opportunities to get cleverer ideas
- During 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





Cognome.....	D'ANTONI.....
Nome.....	PIERPAOLO.....
nato il.....	11/12/1997.....
(atto n....)	P.I.... S.A.....
a.....	UDINE.....
Cittadinanza.....	ITALIANA.....
Residenza.....	TALMASSONS.....
Via.....	VIA AQUILIA 72/A.....
Stato civile.....	MESSO-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

.....d'Ordine del Sindaco.....

.....Il Delegato.....

.....Angelo.....

.....