

PERSONAL INFORMATION	Alberto Carta
	🔀 carta.alberto@gmail.com
	Skype cartalberto
	Gender Male   Date of birth 15 October 1996   Nationality Italian
APPLYING FOR	PhD position ETH
EDUCATION AND TRAINING	
2018-present	<b>Top Master in Nanoscience: Rijksuniversiteit Groningen.</b> ISCED 5A GPA = 8.7 (Max = 10). Relevant modules: Fundamental and Functional Properties of Nano- materials, Introduction to the Theory of Condensed Matter, Statistical Mechanics, Many Body Theory, Mesoscopic Physics.
2015-2018	Bachelor of Science: Materials Science and Nanotechnology Engineer- ing, Politecnico di Milano Graduated on july 2018 with 110/110 Cum Laude. Relevant modules: Atomic Physics, Nuclear Bhysical Chemistry
	Physics, Physical Chemistry.
2010-2015	Scientific High School, Istituto Salesiano Sant'Ambrogio, Milan
HONOURS AND AWARDS	
Scholarships	<ul> <li>2018-present: Top Master in Nanoscience Scholarship, Rijksuniversiteit Groningen</li> <li>2019: Scholarship for high rating (academic year 2017-2018), Società Cooperativa Farma- ceutica, Milan</li> <li>2018: Scholarship for high rating (academic year 2016-2017), Società Cooperativa Farma- ceutica, Milan</li> <li>2017: Best Freshmen Scholarship of Excellence (academic year 2015-2016), Politecnico di Milano</li> <li>2017: Scholarship for high rating (academic year 2015-2016), Società Cooperativa Farma- ceutica, Milan</li> </ul>
Other	<ul> <li>2017: Literary Awards "Caffé Letterario Moak", second place and youngest author prize.</li> </ul>
ACADEMIC PROJECTS	
Msc Thesis	Investigation of electronic phase transitions in multi-layered Van der Waals Heterostructures. Supervisor: Prof. J. Ye
Msc small research project	Simulation of the spectroscopic signature of excitons in triangulene self-assembled H-aggregates. Supervisor: Prof. T.L.C. Jansen.
Nanoscience research paper course	Review on Materials and Methodologies for Polysulfide Shuttling Mitigation in Lithium Sulfur Batteries. Supervisor: Prof. M. Tromp.
BSc Thesis	Raman Characterization of silver decorated graphene sheets for sensor application. Supervisor: Prof. V. Russo.
PERSONAL SKILLS	
Mother tongue	Italian



Other languages	UNDERSTANDING SPEAKING				WRITING	
Other languages					Whitling	
	Listening	Reading	Spoken interaction	Spoken production		
English	C2	C2	C2	C2	C2	
	Cambridge Certificate of Proficiency in English (CPE) – 2012					
Spanish	C2	C2	C2	C2	C2	
	Diploma de español como lengua extranjera nivel C2 (DELE) – 2016					
French	C1	C1	C1	C1	C1	
	Diplôme d'études en langue française (DELF) C1 - 2015					
German	B2	B2	B2	B2	B2	
	Goethe-Zertifikat (B2) - 2016					
Mandarin Chinese	B2	B2	B2	B2	B2	
	HSK 4 - 2017					
Dutch	Beginner	Beginner	Beginner	Beginner	Beginner	
	Unassessed					
	Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user Common European Framework of Reference for Languages					
WORK EXPERIENCE						
2017-2018	Poll-watcher					
	2017: Regional Referendum for Autonomy – Lombardy					
	2018: Regional Elections – Lombardy					
COMPUTER SKILLS						
Academic related	<ul> <li>Good knowledge of Python for scientific programming</li> </ul>					
	<ul> <li>Intermediate knowledge of Matlab</li> <li>Basic Knowledge of Autocad</li> </ul>					
	<ul> <li>Basic Knowledge of Autocad</li> <li>Proficient in Latex</li> </ul>					
Media	<ul> <li>Good knowledge of Adobe Photoshop</li> <li>Good knowledge of Autodesk Maya</li> </ul>					
	<ul> <li>Good knowledge of Inkscape</li> </ul>					
	<ul> <li>Proficient in Scribus</li> </ul>					
OTHER SKILLS						
2014 – Public Speaking	Public speaking course with focus on mid-large audiences.					
Soft skills	Teamwork and group self coordination were key skills to learn during my various group project					
Driving licence	R (cor)					
Driving licence	B (car)					
ADDITIONAL INFORMATION						
Extra-curricular activities	- 2018-present: Volunteering as a cook at Free Café Groningen: cooking market leftovers for					
	the less fortunate. - 2017: Attended Athens international exchange program in Paris (Introductory course in Fi-					
	nite Elements Method)					
	<ul> <li>2013-present: German language course.</li> <li>2013 present: Mandaria Chinese language course.</li> </ul>					
	<ul> <li>2013-present: Mandarin Chinese language course.</li> <li>2004-2010: Participated in charity activities as a scout and at school (organising baking</li> </ul>					
	events, collecting food for the poor).					

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