

PERSONAL INFORMATION

Matteo Secli



 [Redacted] Trieste (TS) (Italy)

 [Redacted]

 secli.matteo@gmail.com

 www.matteosecli.com

Sex Male | Date of birth 27 Sep 1993 | Nationality Italian

PREFERRED JOB

Physics Research

WORK EXPERIENCE

1 Feb 2014–31 Jul 2014

Administrative Officer and Disabled Assistant (150 hours)

University of Trento, Trento (Italy)

Helping the officer responsible for the university labs with her administrative duties and her everyday work activities, including lunch, since she is on a wheelchair.

1 Jul 2011–31 Aug 2012

Computer operator

Mosaico Soc. Coop. Sociale
Prol. Via Salvemini, snc, 73042 Casarano (LE) (Italy)
<http://www.mosaico-le.com/>

Electronic archiving of financial documents, developing spreadsheets and set of forms for data and business management. Summer job on July-August 2011 and August 2012.

Business or sector Electronic archiving and business consulting

EDUCATION AND TRAINING

1 Oct 2017–Present

PhD in Theory and Numerical Simulation of Condensed Matter

EQF level 8

International School for Advanced Studies (SISSA), Trieste (Italy)
<https://www.sissa.it>

1 Oct 2016–30 Apr 2017

International School for Advanced Studies (SISSA), Trieste (Italy)
<https://www.sissa.it/>

I've attended the courses of the PhD program in "Theory and Numerical Simulation of Condensed Matter", as a part of the "Joint Programme UniTN-SISSA".

19 Aug 2015–25 Oct 2017

Master's Degree in Theoretical and Computational Physics

EQF level 7

University of Trento, Trento (Italy)
<http://www.unitn.it/>

Grade 110/110 with honors.
Dissertation: *Edge State Lasing in a 2D Topological Photonic System*.
Supervisors: Iacopo Carusotto (UniTN) and Massimo Capone (SISSA).

1 Aug 2014–30 Jun 2015

University of Oslo, Oslo (Norway)
<http://www.uio.no/>

I've spent one year at UiO as an Erasmus+ exchange student.

- 1 Sep 2012–22 Jul 2015 **Bachelor's Degree in Physics** EQF level 6
 University of Trento, Trento (Italy)
<http://www.unitn.it/>
 Grade 110/110 with honors.
 Dissertation: *Variational Monte Carlo methods for quantum dots*.
 Supervisors: Morten Hjorth-Jensen (UiO) and Francesco Pederiva (UniTN).
- 1 Sep 2007–30 Jun 2012 **Diploma di Liceo Scientifico, P.N.I.**
 Liceo Scientifico "Leonardo da Vinci", Maglie (Italy)
<http://www.liceodavincimaglie.gov.it/>
 Grade 100/100.
- 10 Mar 2010–10 Jun 2010 **ECDL AM3**
 AICA
 Piazzale Rodolfo Morandi, 2, 20121 Milano (MI) (Italy)
 Advanced document processing.
- 1 Aug 2006–19 Jun 2008 **Diploma di Teoria e Solfeggio**
 Conservatorio di Musica "Tito Schipa"
 Via Ciardo, 2, 73100 Lecce (LE) (Italy)
 Musical theory, spoken and sung solfeggio in seven different clefs, transport and musical dictation.
- 1 Sep 2003–25 Jun 2007 **Diploma di Licenza di Scuola Secondaria di Primo Grado**
 Istituto Comprensivo Statale "G. Dimo"
 Via Roma, 20, 73052 Parabita (LE) (Italy)

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	B2	B2	C1
	TOEFL iBT First Certificate in English				
French	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
 Common European Framework of Reference for Languages

Communication skills

- Great capacity of social integration, even with foreign people, thanks to personal experiences abroad and a good degree of heterogeneity of my study environment.
- Good adaptability to unknown places and situations, thanks to personal life experiences and travels in new places, both in my country and abroad. Physics had also a great impact on this, since it gave me that problem-solving approach that makes me able to figure out a solution in most of the everyday problems.
- Good communication skills, thanks to a continuous oral and written production for academic needs and my tendency to engage the people around me in debates about any kind of matter, since I'm always curious about different points of view and ideas that I'm unaware of.

Organisational / managerial skills

- Good skills in organizing and classifying data, thanks to both academic and working background. I tend to organize and categorize everything even in my personal life, from my library of books and movies (each of it has proper tags, metadata and identifiers) to the items on my shelf.
- Project management skills, thanks to academic and personal computer programming experiences.
- Ability to work in group. I've been working in group for six years so far, especially for physics and chemistry experiments (both at the University of Trento and at the University of Oslo), for physics assignments (at SISSA) and for computer programming projects. I've gained experience on distributing the workload among the components of the group and on finding the right compromise every time there is a discrepancy of ideas.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital skills - Self-assessment grid

- Advanced knowledge of Matlab, Mathematica, LaTeX (including pure TeX macros and TikZ/Asymptote), C/C++, Python, bash scripting and PHP scripting.
- Broad experience with the Quantum ESPRESSO suite.
- Experience with HPC systems as a user (mainly on the Ulysses cluster at SISSA)
- Advanced knowledge of Microsoft's Word and Excel, medium knowledge of PowerPoint, base knowledge of Access.
- Advanced knowledge of OpenOffice/Libreoffice Writer and Calc.
- I'm quite familiar with graphics programs such as PhotoShop, Gimp, Inkscape, Illustrator.
- I'm quite familiar with music editing programs such as Encore, Finale and MuseScore.
- Advanced knowledge of Microsoft OS's, from MS-DOS on.
- Advanced knowledge of *nix OS's (in particular Ubuntu and MacOS), both in text and GUI mode.
- Good knowledge of the Internet infrastructure and of a wide variety of protocols. I've enough skills to build and manage a website, with basic HTML, JavaScript and CSS.

Other skills

- Participation in the Physics Olympics 2010/2011 and 2011/2012 with good results at a regional level. Participation in the Philosophy Olympics 2012 in English.
- I'm quite good at playing piano, even some advanced classical compositions. I have a wide repertoire of contemporary music of different genres, and I also play in a rock group in my home town.
- Blood donor for the FRATRES association in my home town.

Driving licence

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ADDITIONAL INFORMATION

Honours and awards

- **Premio per Tesi di Laurea in Fisica "Rotary Club Trentino Nord" (2018).** I was awarded the prize for the best Master Thesis in Physics among the University of Trento graduates of 2017. The prize is awarded for theses "which tackle innovative problems and with application perspectives in the industrial field", and is funded by Rotary Club Trentino Nord. Info: <http://www.unitn.it/ateneo/bando/48067/bando-di-concorso-rotary-club-trentino-nord-per-il-conferimento-di-due-premi-per-tesi-di-laurea-in-f>.
- **Joint Programme UniTN-SISSA (19 Aug 2015 - 25 Oct 2017).** I was admitted to the JP UniTN-SISSA, which is a highly selective program resulting from an agreement between the University of Trento and SISSA. The Programme requires to keep a high GPA and to graduate within 2 academic years with 132 ECTS, giving the opportunity to spend at least a semester at SISSA to

attend PhD courses of interest. The final thesis has to be written with two supervisors, one from UniTN and one from SISSA. Info: <http://international.unitn.it/physics/master-in-physics-jp-unitn-sissa>.

- **Premio di Merito (2015)**. I was awarded a Merit Prize as one of the best graduating students in 2015. Info: <http://infostudenti.unitn.it/premi-di-merito>.
- **Collegio di Merito Bernardo Clesio (1 Sep 2012 - 22 Jul 2015)**. I was granted a 3-years accommodation by the University of Trento and a small salary during my mobility abroad. To maintain my status I had to keep a high GPA, to score at least 58/60 credits per year, to participate to extra conferences about a wide variety of themes and to produce written reports for at least five of them. Info: <http://web.unitn.it/collegiodimerito>.

Attended workshops

- **Advanced Workshop on High-Performance & High-Throughput Materials Simulations using Quantum ESPRESSO**
January 2017 @ ICTP, Trieste (Italy)

Website

Personal website with computer projects (on Sourceforge and GitHub), notes from university classes and university projects:

www.matteosecli.com

Please note that some of the repositories could not be public at the time of your visit.

Matteo Seclì

 Mother tongue(s)
Italian

 Other language(s)
English, French

English				
Self-assessment of language skills				
UNDERSTANDING		SPEAKING		WRITING
 Listening	 Reading	 Spoken interaction	 Spoken production	 Writing
C1 Proficient user	C2 Proficient user	B2 Independent user	B2 Independent user	C1 Proficient user
Certificates and diplomas				
Title	Awarding body	Date	Level*	
TOEFL iBT	ETS	10 Apr 2015	–	
First Certificate in English	University of Cambridge	18 Aug 2011	B2	
Linguistic and intercultural experience				
Description			Duration	
Exchange student: I've lived one year in Oslo as an Erasmus+ exchange student, from August 2014 to July 2015. I've attended 6 classes, all of them in English, scoring 60/60 ECTS credits as required by my programme. I've used English as a primary language in every aspect of my life, from studying to social interaction with both Norwegian and international students, as well as in everyday activity outside the university context.			1 Aug 2014–30 Jun 2015	
Master studies: I did my MSc studies (two years) entirely in English, including lectures and exams. I've spent the first year in Trento and the second year in Trieste, at SISSA, in a wide international environment. Many of my colleagues and friends from that period are indeed not Italian.			19 Aug 2015–Present	
Study holiday: Study holiday in London during summer 2011. I've spent two weeks living with an English family and attending intensive English lectures at St Giles International. I've made several international friends, from Brazil to Turkey, Syria, Japan and South Korea, and I'm still in touch with many of them.			27/6/11–10/7/11	

French

Self-assessment of language skills				
UNDERSTANDING		SPEAKING		WRITING
 Listening	 Reading	 Spoken interaction	 Spoken production	 Writing
A1 Basic user	A1 Basic user	A1 Basic user	A1 Basic user	A1 Basic user

Common European Framework of Reference for Languages - Self-assessment grid

		A1 Basic user	A2 Basic User	B1 Independent user	B2 Independent user	C1 Proficient user	C2 Proficient user
Understanding	 Listening	I can understand familiar words and very basic phrases concerning myself, my family and immediate concrete surroundings when people speak slowly and clearly.	I can understand phrases and the highest frequency vocabulary related to areas of most immediate personal relevance (e.g. very basic personal and family information, shopping, local area, employment). I can catch the main point in short, clear, simple messages and announcements.	I can understand the main points of clear standard speech on familiar matters regularly encountered in work, school, leisure, etc. I can understand the main point of many radio or TV programmes on current affairs or topics of personal or professional interest when the delivery is relatively slow and clear.	I can understand extended speech and lectures and follow even complex lines of argument provided the topic is reasonably familiar. I can understand most TV news and current affairs programmes. I can understand the majority of films in standard dialect.	I can understand extended speech even when it is not clearly structured and when relationships are only implied and not signalled explicitly. I can understand television programmes and films without too much effort.	I have no difficulty in understanding any kind of spoken language, whether live or broadcast, even when delivered at fast native speed, provided I have some time to get familiar with the accent.
	 Reading	I can understand familiar names, words and very simple sentences, for example on notices and posters or in catalogues.	I can read very short, simple texts. I can find specific, predictable information in simple everyday material such as advertisements, prospectuses, menus and timetables and I can understand short simple personal letters.	I can understand texts that consist mainly of high frequency everyday or job-related language. I can understand the description of events, feelings and wishes in personal letters.	I can read articles and reports concerned with contemporary problems in which the writers adopt particular attitudes or viewpoints. I can understand contemporary literary prose.	I can understand long and complex factual and literary texts, appreciating distinctions of style. I can understand specialised articles and longer technical instructions, even when they do not relate to my field.	I can read with ease virtually all forms of the written language, including abstract, structurally or linguistically complex texts such as manuals, specialised articles and literary works.
Speaking	 Spoken interaction]	I can interact in a simple way provided the other person is prepared to repeat or rephrase things at a slower rate of speech and help me formulate what I'm trying to say. I can ask and answer simple questions in areas of immediate need or on very familiar topics.	I can communicate in simple and routine tasks requiring a simple and direct exchange of information on familiar topics and activities. I can handle very short social exchanges, even though I can't usually understand enough to keep the conversation going myself.	I can deal with most situations likely to arise whilst travelling in an area where the language is spoken. I can enter unprepared into conversation on topics that are familiar, of personal interest or pertinent to everyday life (e.g. family, hobbies, work, travel and current events).	I can interact with a degree of fluency and spontaneity that makes regular interaction with native speakers quite possible. I can take an active part in discussion in familiar contexts, accounting for and sustaining my views.	I can express myself fluently and spontaneously without much obvious searching for expressions. I can use language flexibly and effectively for social and professional purposes. I can formulate ideas and opinions with precision and relate my contribution skillfully to those of other speakers.	I can take part effortlessly in any conversation or discussion and have a good familiarity with idiomatic expressions and colloquialisms. I can express myself fluently and convey finer shades of meaning precisely. If I do have a problem I can backtrack and restructure around the difficulty so smoothly that other people are hardly aware of it.
	 Spoken production	I can use simple phrases and sentences to describe where I live and people I know.	I can use a series of phrases and sentences to describe in simple terms my family and other people, living conditions, my educational background and my present or most recent job.	I can connect phrases in a simple way in order to describe experiences and events, my dreams, hopes and ambitions. I can briefly give reasons and explanations for opinions and plans. I can narrate a story or relate the plot of a book or film and describe my reactions.	I can present clear, detailed descriptions on a wide range of subjects related to my field of interest. I can explain a viewpoint on a topical issue giving the advantages and disadvantages of various options.	I can present clear, detailed descriptions of complex subjects integrating sub-themes, developing particular points and rounding off with an appropriate conclusion.	I can present a clear, smoothly-flowing description or argument in a style appropriate to the context and with an effective logical structure which helps the recipient to notice and remember significant points.
Writing	 Writing	I can write a short, simple postcard, for example sending holiday greetings. I can fill in forms with personal details, for example entering my name, nationality and address on a hotel registration form.	I can write short, simple notes and messages. I can write a very simple personal letter, for example thanking someone for something.	I can write simple connected text on topics which are familiar or of personal interest. I can write personal letters describing experiences and impressions.	I can write clear, detailed text on a wide range of subjects related to my interests. I can write an essay or report, passing on information or giving reasons in support of or against a particular point of view. I can write letters highlighting the personal significance of events and experiences.	I can express myself in clear, well-structured text, expressing points of view at some length. I can write about complex subjects in a letter, an essay or a report, underlining what I consider to be the salient issues. I can select a style appropriate to the reader in mind.	I can write clear, smoothly-flowing text in an appropriate style. I can write complex letters, reports or articles which present a case with an effective logical structure which helps the recipient to notice and remember significant points. I can write summaries and reviews of professional or literary works.

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