

Sébastien CARARO

Personal information

02/02/1998 (22 y.o.)
sebcararo@hotmail.fr

Portfolio website

Contains my personal projects
(autonomous works, python
packages) and complete résumé
www.seb943.github.io

Languages

French	<i>mother tongue</i>
English (TOEIC 895)	<i>fluent</i>
Italian	<i>notions</i>
Spanish	<i>basics</i>

Technical skills

Programming: R, C, Python, Java,
Stata, Matlab, HTML, CSS
Tools: Office Pack, Azure, SysML,
LTSpice, Azure, DevOps

CURRENT SITUATION

Final year student of Master of Sciences at Ecole Centrale de Lille
(French *Grande Ecole* – engineering school). I am also doing a
MSc in quantitative finance at Lille University.

Currently looking for a 6-months internship in finance/data
science, starting in april 2021.

WORK EXPERIENCE

➤ September 2019 – February 2020 [6 months]

Witted SRL, Rovereto (Italy)

Data Science internship inside an Italian start-up: I created from scratch a
pipeline for monitoring the correlation between erosion and multiple
factors such as seagrass presence and maritime activity along italian coasts.
I also actively participated in a European Space Agency (ESA) grant
candidature, which was successfully obtained afterwards.

Machine Learning models: SVM, Random Forest, LightGBM, Classification
Tree.

Main python packages: numpy, sklearn, SentinelHub, EO-Learn.

➤ February 2018 [1 month]

TLV-TRATO, Lys-lez-Lannoy (France)

This traineeship was part of my engineering cursus. I worked beside
handlers, but I also learned about organization and logistics.

➤ October 2017 – June 2018, August 2016, August 2017 [11 months]

Monoprix, Marcq-En-Baroeul and Joinville-le-Pont (France)

Cashier and shelf employee. Integration of a staff during a long period,
basics of internal/external logistics.

OTHER NOTABLE EXPERIENCE

➤ August 2019

French Army – 61st artillery regiment

Highly intensive three-weeks long military preparation (*Préparation
Militaire Supérieure*). I learned a lot about men management, organization,
but also about decision making under high-pressure conditions.

Other information

Driving License (cat. B)

Both French and Canadian citizen

Former High School basketball

referee

First Aid certificate

Hobbies : Litterature, Cinema,

Basketball

MBTI profile : INTJ

EDUCATION

- September 2017 (- June 2021 after one gap year)

Ecole Centrale de Lille (France): Graduate school of multi-disciplinary engineering (Physics, Mathematics, IT, Management, Mechanics, other scientific fields). The establishment delivers the Master's degree and is one of the 10 best engineering schools in France.

Final year Major: *Smart networks and Energy.*

- September 2020 (- June 2021)

Lille University – Quantitative Finance MSc (France): Master II partially taught in English.

Relevant coursework: Finance Theory, Pricing and hedging derivatives, Empirical methods in finance, Behavioral finance, Microeconomics of Banking.

- February 2019 – July 2019

Trento University (Italy - Erasmus+ exchange): Theoretical and applied statistics, IT and Machine Learning, over multiple fields: market analysis, DNA sequencing, bioinformatics. I successfully obtained an average grade of 99,16% and had to express myself in both English and Italian.

- September 2015 – June 2017

Lycée Paul Valéry (Paris, France): 2-year highly competitive (35+ hours/week only for lectures) undergraduate studies in Mathematics/Physics/Engineering preparing for the nationwide competitive examinations for entry to the top engineering schools in France.

ONLINE COURSES WITH CERTIFICATES

- **Social Psychology** – Wesleyan University (37 hours – June 2020)
- **Becoming a changemaker: Introduction to social innovation** – University of Cape Town (18 hours – May 2020)
- **Developing AI applications on Azure** – LearnQuest (15 hours – June 2020)
- **Mindshift: Break through obstacles to learning and discover your hidden potential** – McMaster University (8 hours – May 2020)
- **New models of business in society** – University of Virginia (6 hours – May 2020)

References : available on request