

## Personal information

02/02/1998 (22 y.o.)

[sebcararo@hotmail.fr](mailto:sebcararo@hotmail.fr)

## Portfolio website

Contains projects and résumé

[www.seb943.github.io](http://www.seb943.github.io)

## Languages

French *mother tongue*

English (TOEIC 895) *fluent*

Italian *notions*

Spanish *basics*

## 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 EXPERIENCES

➤ September 2019 – February 2020 [6 months]

### Witted SRL, Rovereto (ITALY)

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.

Use of *numpy*, *sklearn* for Machine Learning models, along with *SentinelHub* and *EO-Learn* packages for satellite imagery.

➤ February 2018 [6 months]

### TLV-TRATO, Lys-lez-Lannoy (North of FRANCE)

This traineeship was part of my engineering cursus, I worked beside handlers and followed the production process. I also learned a lot about both internal and external logistics.

➤ October 2017 – June 2018 [6 months]

### Monoprix, Marcq-En-Baroeul (59700 – North of FRANCE)

Cashier. This job was the same as my first job experience and as a 6 hrs/week contract, it included many overtime hours. I mainly learned to adapt to organization needs and to integrate a staff on a long-term period, which involved being available even during Sundays and public holidays.

➤ August 2016 and August 2017 [6 months]

### Monoprix, Joinville-le-pont (94340 - Parisian region)

Cashier and shelf employee. This first job taught me basics about client relationship and well-being in enterprise.

## OTHER NOTABLE EXPERIENCE

➤ August 2019

### French Army – 61<sup>st</sup> artillery regiment

Highly intensive three-weeks long military preparation (*Préparation Militaire Supérieure*). Beside the army-based knowledge that I acquired there (ethics, guns and equipment, code of conduct), I also learned a lot about men management, organization, giving orders and obeying hierarchy, but also a lot 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 2020 ( - June 2021)

**Lille University – Quantitative Finance MSc:** 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 (Italie - 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% over the five courses that I followed, and I participated in multiple group projects. This was also my first study experience outside France, therefore I had to express myself in both English and Italian.

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

**Ecole Centrale de Lille:** 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 Majors: *Entrepreneurship and Smart networks and Energy*.

➤ September 2015 – June 2017

**Lycée Paul Valéry (Paris 75012):** 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.

➤ September 2012 – June 2015

**Lycée d'Arsonval (St-Maur-Des-Fossés 94100):** High School curriculum, earning the High School Diploma in Scientific section (Scientific *Baccalauréat – magna cum laude*).

## 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