



CESARE VILLIGER

APPLICATION FOR INTERNSHIP AT SNB

PROFILE

"Enthusiastic, motivated and ambitious. Always willing to learn new things and broaden my horizon.

I am very resilient and meticulous when it comes to problem solving and deepening what has been learnt. "

PERSONAL



Mühlebachstrasse 66
8008 Zürich



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/Cesare Villiger



c-villiger.github.io

LANGUAGES

DE

German
Native

EN

English
Fully Proficient

FR

French
Intermediate

IT

Italian
Elementary

REFERENCES



Dr. Kerstin Kehrle
kerstin.kehrle@snb.ch
Börsenstrasse 15
8001 Zürich



Prof. Dr. Alexander Wagner
alexander.wagner@bf.uzh.ch
Plattenstrasse 14
8032 Zürich

WORK EXPERIENCE

Internship

Mar. 2023 - **FX Analysis and Implementation Analysis Intern -**
Mar. 2024 **Swiss National Bank [SNB] (100%)**

- Operational implementation of monetary policy as FX trader.
- Development of tools for ongoing monitoring and reporting of relevant financial market events and monetary policy implementation.
- Tracking, evaluating and interpreting events in the financial markets. Developing qualitative and quantitative analyses and research projects about the Swiss money market and foreign exchange markets.

University and Teaching

Sep. 2023 - **Teaching Assistant for Foundations of Data Science -**
Feb. 2024 **Department of Informatics [UZH]**

- Managed and mentored student teams on practical tasks, while also being responsible for the preparation, grading, and correction of exams.

Sep. 2020 - **Research And Teaching Assistant -**
Mar. 2023 **Department of Banking and Finance [UZH] (~30%)**

- Responsible Headcoach for "Corporate Finance" with over 400 students and MAS participants. This includes: hosting exercise sessions, preparing the course material, learning videos and final exam, and administrative supervision.
- Co-creation and lecturing in the courses "Climate Change Finance" and "eFundamentals of Programming".

Dez. 2017 - **Teaching Assistant - Sekundarschulhaus**
Apr. 2018 **Neumünster, Zurich (~30%)**

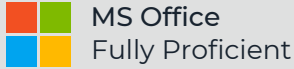
- Teaching assistant for secondary school in Zurich. Responsible for: informatics, mathematics, and languages (German, English, French).

Aug. 2016 - **Tutor - Boost the Support (~50%)**
Sep. 2020

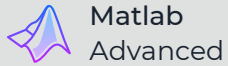
- Tutoring students ranging from grammar school preparation to university level in mathematics, German and French.

TECHNICAL

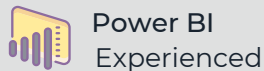
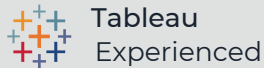
General



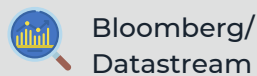
Coding



Visualization



FURTHER KNOWLEDGE



Data retrieval, market research and real-time market reorting.



Successfully completed various online courses on data cleaning/manipulation in Python/R and Python for finance and algorithmic trading.

EDUCATION

Feb. 2022 - **Master in Economics and Data Science (UZH)**

Feb. 2024

- Major in Economics and minor in Data Science at the University of Zurich (UZH) . Preliminary grade: 5.7.
- Strong focus on quantitative and empirical methods, predominantly time series analysis and deep learning. Keen interest in the intersection of data science and economics and the applications of machine learning therein.

Sep. 2022 - **Special Student: Master in Data Science (ETH)**

Feb. 2024

- 24/30 ECTS of electives courses expected to be completed at ETH, covering multivariate statistics, statistical regression and applied time series analysis.
- Achievements in course on modern statistical inference and its applications to finance honoured with highest grade and letter of recommendation by Prof. Marc Paoella (Member of Steering Committee MSc Quantitative Finance UZH/ETH).

Sep. 2018 - **Bachelor in Economics and Informatics (UZH)**

Feb. 2022

- Major in Economics and minor in Informatics at the University of Zurich (UZH). Final Grade: 5.1 (magna cum laude).
- Bachelor Thesis: Estimation of influence of railway construction on Swiss GDP using extended generalised method of moments framework.

Mar. 2017 - **International Baccalaureate Diploma Programme**

Aug. 2017

- Bilingual Diploma, fully completed in English at the Literargymnasium Zurich, with focus on mathematics and Latin.

Mar. 2017 - **Swiss Matura**

Aug. 2017

- Completed at the Literargymnasium Zurich. Focus on Latin, English and Music.

EXTRACURRICULAR ACTIVITIES

Music

- I have been playing piano for 18 years, completing all level tests at the Zurich Conservatory Music School and the Swiss Music Matura.
- My greatest hobby is performing live as a keyboarder/pianist, having played more than 100 concerts over the past years with three different bands.

Physics/Mathematics

- First place at the Swiss Young Physicist's Tournament (2015).
- ETH Zurich Math Youth Academy (advanced class).

Sports

- I used to be a competitive rower.
- I won a multitude of medals and even one Swiss Championship.