

EXPERIENCE

LUISS Guido Carli University Post-Doc, Department of Economics and Finance.	Rome, Italy 2024–Ongoing
Bank of England Ph.D. Internship Liquidity Policy	London, UK 2023–2024
LUISS Guido Carli University Teaching Assistant of Empirical Finance Department of Economics and Finance	Rome, Italy 2021–2022
UniCredit Bank Model Risk Management Internship (Group Internal Validation) – Contributing to risk reporting, tracking and monitoring activities. – Supporting yearly and quarterly risk validation assessments. – Support reporting to Board of Directors, Risk Committee, and ECB with dedicated presentations.	Milan, Italy 2020–2021

EDUCATION

Sapienza University of Rome Ph.D. in Economics and Finance: Markets and Institutions for Development and Innovation – Research Interest: Quantitative Finance, Interest Rate and Liquidity risk management, Volatility Risk, Financial Econometrics.	Rome, Italy 2020–Ongoing
LUISS Guido Carli University M.Sc. in Finance, Final Grade: 110/110 – Thesis: Testing The Empirical Performance of the Secured Overnight Financing Rate.	Rome, Italy 2018–2020
London School of Economics Summer School: Fixed Income Securities, Debt Markets, and the Macro Economy	London, UK 2019
University of Liverpool Erasmus	Liverpool, UK 2018
Sapienza University of Rome B.Sc. in Economics, Final Grade: 110/110 cum laude – Thesis: Analysis of the Main Macroeconomics and Financial Effects of Brexit.	Rome, Italy 2015–2018

RESEARCH

X marks the bank: digitalisation and depositors run with Das, P. and Kotlicki, A. (Ongoing Project)	2023
Liquidity Coverage at Risk with Morelli, G. and Santucci De Magistris, P. (Working Paper) – Building on the Liquidity Coverage Ratio created under the Basel III regulatory agreement, this paper introduces the notion of Liquidity Coverage at Risk (LCRisk), which is the probability that a bank faces an illiquidity episode in the next 30 days. LCRisk has a closed- form expression and can be computed using information contained in the bank's balance sheet. In the empirical analysis, we compute LCRisk for a panel of European banks, proving the ability of such a measure to provide an early warning signal of liquidity risk.	2022

Modeling the volatility of the Secured Overnight Financing Rate

with Morelli, G. (Working Paper)

2021

- This paper provides insights into the volatility of SOFR and its term rates. Our findings reveal that the volatility of the overnight rate displays a strong persistence and is susceptible to sudden changes (jumps), particularly around the FOMC meetings and on the dates when the Federal Reserve modifies the interest rate target. Additionally, we find that SOFR volatility tend to be lower at the end of quarters, months, and weeks. Conversely, for longer maturities, these characteristics are smoothed out, and there is little indication of calendar effects for term rates. Nevertheless, our analysis demonstrates that jump diffusion models can be useful in forecasting the conditional variance of the rates across all maturities.

CONFERENCES

Quantitative Finance Workshop (2023)	Gaeta, Italy
EURO Conference (2022)	Espoo, Finland
28th International Conference Computing in Economics and Finance (2022)	Dallas, US
7th International Young Finance Scholars Conference (2021)	Oxford, UK

SKILLS

IT Skills: MATLAB, Python, Eviews, R, Gretl, LaTeX, MS Office.

Languages: Italian (Native Speaker), English (Fluent)