

## PERSONAL INFORMATION



## JIHENE ARFAOUI

📍 Basaltstrasse 15a, 60487 FRANKFURT (GERMANY)  
📞 004917627517156 📠 004917627517156  
✉️ jihene@hotmail.it

Gender Female | Date of birth Jun 10 1997 | Nationality Italy

Financial Markets Researcher

## PREFERRED JOB

## WORK EXPERIENCE

Oct 2023 - present

**DG-F: Financial Stability**

Development of monitoring tool for the OTC market using Python and EMIR database.  
Deutsche Bundesbank - FRANKFURT Germany  
*Business or sector* Finance

Jul 2023 - Oct 2023

**ESG Bonds and Funds: Student Assistant**

As a dedicated Student Assistant, I had the privilege of working alongside an esteemed professor in the field of finance, where I played a pivotal role in extracting vital data pertaining to ESG (Environmental, Social, and Governance) funds and bonds. Leveraging my programming prowess, I automated the data extraction process, significantly streamlining the workflow and enhancing efficiency.  
python · web automation · data extraction · financial markets · ESG Bond and Funds · Ecdl Advanced Excel  
Leibniz Institute for Financial Research SAFE - FRANKFURT Germany

Sep 2022 - Mar 2023

**DG-M: Money Market and Liquidity Division (Trainee)**

In the division we work on preparing and executing the monetary policy and the foreign exchange operations of the eurosystem. in the team we manage the the ECB's foreign reserves and own funds and develop and maintain the framework for its financial market activities. we also coordinate the implementation of the eurosystem's asset purchase programme and the reserve management services that the Eurosystem provides to non euro euro area central banks, monetary authorities, public financial institutions and international institutions. we monitor and analyse financial market developments that are relevant for market operations.  
I learned how to analyse money market developments, both by using transaction-level financial market data and by gathering feedback from external parties;  
I worked on tasks related to the new benchmark rate €STR and the reform of other euro money market benchmark rates;  
I helped to analyse the bidding behaviour in the ECB's monetary policy operations, examining th  
European Central Bank , Sonnemannstrasse 20 - FRANKFURT Germany  
*Business or sector* Finance

Sep 2020 - Aug 2022

**Business Analyst**

Training on some technological areas exploited in the continuation of the activity such as Linux, Php, Xml, SQL, etc. ... which are preparatory to the training provided on Datonix technology which is a Data Management for Analytics solution.  
Involvement in some activities that involve carrying out functional and technical analysis on some Data Management projects of financial clients. For example, the collection and analysis of financial data for the purpose of evaluating movable and real estate assets.  
Arcares S.P.A , Via Massimo Gorki, 30 - MILANO (MI) Italy  
*Business or sector* Finance , consultancy (management, legal, accounting, ...)

Jan 2020 - Jun 2022

**Representative of the MSc in Finance and Economics**

Università degli Studi di Milano , Via Conservatorio, 7 - MILANO (MI) Italy

Feb 2021 - Dec 2021

**Collaborator for the MEF Master's Degree course**

- Management of social media profiles of the CdLM - Management of posts and News of the Site  
- Assistance to students in difficulty in order to combat dropouts

- incoming orientation for students - orientation and support for students for all COSP activities
- Contact with the social partners and management / organization of meetings with them
- support for the degree course and its President

Università degli Studi di Milano , Via Conservatorio, 7 - MILANO (MI) Italy  
*Business or sector* Organization

**Oct 2018 - Jan 2019**    **Import export (Trainee)**  
 Management of the necessary documentation and Incoterms of the AIR practices, use of special computer programs for the management of shipments, telephone and email contact with customers for various requests, often working in teams.  
 Central shipping agency , Via Ludovico di Brema 25/27 - MILANO (MI) Italy  
*Business or sector* Human Resources , other services

**Apr 2017 - Apr 2017**    **Student group Tutor**  
 I participated as a tutor of the group of students of the Convitto Nazionale 'Rinaldo Corso' (Correggio, RE) and Istituto Professionale 'Cattaneo Deledda' (Modena, MO), to an in-depth internship in international humanitarian law, human rights and international law of refugees.  
 Istituto Internazionale di Diritto Umanitario di Sanremo , Corso Felice Cavallotti, 113 - SANREMO (IM) Italy

**Jan 2012 - Jun 2016**    **Tutor**  
 During my course of study, I dedicated part of my free time to do volunteer work in this project.  
 - I worked to help disabled people feel more confident and less diverse through the use of colours by creating paintings and beautiful works and through technology using computers and cameras exploring nature and creating unique shots.  
 - In addition, during the afternoon, I was a tutor of the peer education project, which consists of helping some students do their homework and study different subjects.  
 Progetto valerio , Via Prati, 2 - CORREGGIO (RE) Italy

**EDUCATION AND TRAINING**

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**2022 - 2025**    **PhD Finance** **EQF level 8**  
 Johann Wolfgang Goethe-Universität (Goethe University Frankfurt) - Economics and Finance  
 3rd cycle degree - PhD/Doctorate

**2019 - 2022**    **MSc Finance and Economics** **EQF level 7**  
 Università degli Studi di MILANO - Faculty of Political, Economics and Social Sciences  
 2nd cycle degree/Master of Science (2 years)  
*Principal subjects/occupational skills covered:*  
 - Financial investments and corporate finance;  
 - Mathematical methods for finance;  
 - Time series analysis;  
 - Advanced microeconomics and macroeconomics;  
 - International economic law;  
 - Data mining and computational statistics;  
 - Statistical methods for finance  
 -Decision theory and behavioural economics;  
 - Portfolio optimization;  
 -Financial markets and financial crises: a historical approach;  
 -Numerical methods for finance and risk management;  
 -Money and finance.

**2016 - 2019**    **Economics and Management** **EQF level 6**  
 Università degli Studi di MILANO - Faculty of Political, Economics and Social Sciences  
 1st cycle degree/Bachelor (3 years)  
*Principal subjects/occupational skills covered:*  
 Being a student at the 'Economics and Management' bachelor's program has deepened my interest and revealed my endless curiosity to different aspects of microeconomics, macroeconomics, econometrics and statistics

**PERSONAL SKILLS**

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**Mother tongue(s)**    Arabic Italian

<b>Foreign language(s)</b>	<b>UNDERSTANDING</b>	<b>SPEAKING</b>	<b>WRITING</b>
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	Listening		Reading		Spoken interaction		Spoken production			
English	C1	Proficient	C1	Proficient	C1	Proficient	C1	Proficient	C1	Proficient
French	B2	Independent	B2	Independent	B2	Independent	B2	Independent	B1	Independent
German	A2	Basic	A2	Basic	A2	Basic	A2	Basic	A2	Basic
Spanish	B2	Independent	B2	Independent	B2	Independent	B2	Independent	B2	Independent

**English:** IELTS - British Council, 10 02 2021 - European level: C1

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

## Linguistic experience(s)

### European Union program

Erasmus

Language: English

Duration of studies in months: 10

Foreign country where the academic studies were carried out: Heidelberg (Germany)

Description: Erasmus in Heidelberg to conduct my Master Thesis.

### Other experience not acknowledged by the course of study

Language: English

Duration of studies in months: 1

Foreign country where the academic studies were carried out: New York (United States of America)

Description: In my involvement with MUN, I acted as an ambassador, representing an assigned country. I faithfully upheld the values and interests of the country, aiming to negotiate and gain approval for documents aligning with its objectives. The overarching objective was to consider both the nation's perspectives and the broader collective interest. This experience entailed cooperative competition, engaging in substantial discussions on significant international political topics with fellow participants.

### Other experience not acknowledged by the course of study

Language: English

Duration of studies in months: 1

Foreign country where the academic studies were carried out: Dublino (Ireland)

Description: English Language Course

### Other experience not acknowledged by the course of study

Language: English

Duration of studies in months: 3

Foreign country where the academic studies were carried out: Helsinki (Finland)

## Communication skills

My proficiency in communication has been honed through diverse experiences, reflecting my adaptability and collaborative spirit. Engaging in volleyball, I've developed an excellent team dynamic, mastering effective communication and coordination crucial for success in a team-oriented sport.

Having worked and studied abroad, I possess a strong ability to adapt to multicultural environments. This adaptability has not only enriched my personal experiences but has also equipped me with the flexibility needed to thrive in different professional settings.

In my role as an ambassador at the Model United Nations (MUN) in New York, I further refined my communication skills. This demanding platform required me to articulate complex ideas, negotiate effectively, and demonstrate diplomatic finesse. Additionally, serving as a student representative emphasized my capability to convey the concerns and perspectives of my peers with clarity and efficacy.

## Organisational / managerial skills

My extensive leadership experience has been nurtured and showcased through my impactful role as a Representative of Students. In this capacity, I not only assumed the responsibility of representing the student body but also actively engaged in decision-making processes, effectively voicing the concerns and perspectives of my peers. This hands-on involvement allowed me to develop and demonstrate leadership qualities such as strategic thinking, effective communication, and the ability to collaborate with diverse stakeholders. Through these experiences, I have honed my capacity to lead and influence positive change within the student community, solidifying my commitment to effective and impactful leadership.

## Job-related skills

My adept utilization of Microsoft Office applications—Word, PowerPoint, and Excel—has been a consistent theme throughout my academic journey, with continuous refinement and application in various study courses. Notably, I achieved advanced certifications in Word and Excel through the ECDL program, attesting to my commitment to mastering these essential tools.

Beyond office applications, my expertise spans an array of programming languages, including R, Python, Matlab, Dynare, MMB, Julia, Greta, Stata, and SQL (Oracle, Impala). These languages have been pivotal in

executing diverse projects during both academic pursuits and professional experiences.

In the academic realm, I conducted a series of impactful projects, including a statistical analysis utilizing Gretl on the SocTelePag.csv dataset, focusing on Decisional Trees. Econometric analyses in Julia explored the dynamic impact of oil price shocks and Purchasing Power Parity, while a financial analysis in R delved into the intricacies of UK mutual fund performance.

Furthermore, I engaged in comprehensive data and statistical analyses using R to evaluate the economic landscape in 2020, as well as risk management analysis and portfolio optimization problems. Computational macroeconomics projects, employing Python, applied macroeconomic theory to real data.

For my Master's thesis, I delved into the macroeconomic impact of the COVID-19 pandemic, utilizing Python for empirical analysis.

Additionally, I have hands-on experience with sophisticated platforms like Bloomberg, Eikon Refinitiv, FactSet and MornignStar.

In the visualization domain, my skills include the adept use of Tableau, seamlessly integrated with Microsoft Office applications, further enhancing my ability to present complex data analyses effectively. This comprehensive technical skill set positions me as a dynamic and capable professional in the realms of data analysis, visualization, and programming.

### Digital competences

SELF-ASSESSMENT				
INFORMATION PROCESSING	COMMUNICATION	CONTENT CREATION	SAFETY	PROBLEM SOLVING
Proficient user	Proficient user	Independent user	Independent user	Independent user

Digital competences - Self-assessment grid

<b>ECDL Advanced WORD: 2019</b> <b>ECDL Advanced EXCEL: 2021</b>
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#### Basic digital competence:

##### OFFICE AUTOMATION

**Office Suite:** (Highly Specialised) | **Presentation Software:** (Highly Specialised) | **Spreadsheets:** (Highly Specialised) | **Web Browser:** (Highly Specialised) | **Word Processors:** (Highly Specialised)

##### APPLICATION SOFTWARE

**Numerical analysis:** Python (Highly Specialised) | **Statistical analysis:** Stata (Highly Specialised)

##### COMPUTER PROGRAMMING

**Programming languages:** MATLAB (Highly Specialised) , Python (Highly Specialised) , RStudio (Highly Specialised) | **Web Programming:** (Highly Specialised)

##### DATA MANAGEMENT

**DBMS:** (Highly Specialised)

##### GRAPHICS AND MULTIMEDIA

**Vector graphics editor:** (Highly Specialised)

### Other skills

- Swimming (September 2023 - Current)
- Karate do Shotokan Martial Arts praticante di terzo livello (Settembre 2014 - 2023)
- Volleyball player (Settembre 2012 - luglio 2014) al ASD Correggio volley
- Ex atleta di Athletics (Settembre 2009 - luglio 2012) al Self Atletica Montanari & Gruzza

### Driving licence

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### ADDITIONAL INFORMATION

I harbor a fervent enthusiasm for financial investments, risk management, and portfolio optimization, backed by a robust foundation in delving into economic theory, scrutinizing international financial markets, and navigating decision-making processes amid uncertainty. My research interests prominently span monetary policy, its transmission mechanisms, money markets, financial market dynamics, stability, macro finance, and econometric finance.

I embody ambition, a rapid learning pace, and a robust work ethic. My commitment to continual professional and personal growth is unwavering. I am driven by persistence in achieving my objectives, recognizing that success often arises from navigating challenges. Challenges, for me, serve as catalysts for tapping into my analytical prowess and fostering creative solutions to problems. This dynamic blend of academic rigor and practical problem-solving aligns with my overarching research pursuits in monetary policy and financial markets.