

## EDUCATION

### University Paris Dauphine-PSL

Master 2, Mathematics Research Master's degree –MASEF, Financial Mathematics Major

Paris, France

2020-2021

Python projects:

- American, European Options, and Worst-Of Autocallables Pricing, using Monte Carlo and Finite Difference Methods.
- Asian, Lookback, and Digital Options Pricing, using: "Multilevel Monte Carlo Path Simulation." Michael B. Giles, Oxford Man Institute of Quantitative Finance. (2008)

### University Paris Dauphine-PSL

Master 1, Mathematics – Statistics Major

Paris, France

2019-2020

Master's thesis: "Correlation between toponymy and geography of French municipalities" (Implemented in R), supervisor Robin Ryder

C++ project: Vector, Matrix & Tensor classes implementation

### University Paris Dauphine-PSL

Bachelor of Science, Mathematics– Probability Major

Paris, France

2016-2019

Python project: Double Pendulum Chaos Motion

R project: Random Variables Simulation Methods, Variance Reduction Methods

### University of Greenwich

Master of Science, Banking & Finance (Distinction)

London, United Kingdom

2015-2016

Master's thesis: "Political risk and foreign exchange market: an exploration of the brexit impact on the sterling", supervisor Lianfeng Quan

### IPAG Business School

Master 2, Financial Markets

Paris, France

2011-2016

Master 1, Corporate Finance

### Waterford Institute of Technology

Erasmus, Economy

Waterford, Ireland

2013-2014

### Lycée Charles Baudelaire

Scientific Baccalauréat, Mathematics Major (Honors)

Paris, France

2011

## SKILLS

**Language:** French (Mother tongue), English (Fluent), Persian (Fluent), Spanish (Professional proficiency)

**IT:** R, C++, Python, LaTeX, Microsoft Office (Excel, Word, PowerPoint)

**Academic:** Probability, Statistics, Stochastic calculus, Monte Carlo methods, Black Scholes model, Machine Learning in finance

**Esport:** Mobile Legends: Luo Yi Champion, 293 World Rank, Top 10 France, 1<sup>st</sup> Paris

## WORK EXPERIENCE

### Killik & Co Analyst

London, United Kingdom

Front Office Analyst at KILLIK & Co, first French intern in the firm.:

Apr.-Sept. 2015

- Assisted 4 stockbrokers who trade and advise on a wide range of instruments including equities, corporate bonds, gilts, funds, derivatives and CFDs.
- Produced monthly reports of the 10 branches' trades. Implemented macros on excel to deal with heavy spreadsheets.
- Conducted portfolio analysis and reviewed asset class weighting with a focus on Investment trusts and Unit trusts.
- Formulated reports and did presentations of investment opportunities and prominent equities identified from personal research and study of research notes.
- Regularly attended meetings with companies or fund managers to get updates or IPO presentations.

### Empty Space Urban Art exhibition

Paris, France

Created an associative organization to promote Urban Art artists:

Sept.-Dec. 2014

- Logistic and financial management of the event
- Research of the exhibition center and fundraising.
- Establishment of agreements on commissions between hosts and artists.
- 3 artists exhibited - 400 visitors.
- Jo Di Bona Promü, won EDF Foundation Prize 2014.

### Zara Inventory Management

Paris, France

Responsible for processing daily orders from 10 largest Paris based stores:

June-Jul. 2014

- Prepared orders from 8p.m to 5a.m, to allow deliveries to be done in the morning before stores' opening.
- Managed the labour force to improve the productivity during summer sales.
- Consolidated approximately 7000 to 18 000 items per night.

### Lovepasta Sales Analyst & Marketing Assistant

Dublin, Ireland

Worked in direct contact with the CEO of the company to improve the makeover process of the brand:

Sept-Dec. 2013

- Developed the financial model which served as the basis for successful commercial loan application of 30 000€.
- Applied linear regression to make the first sales analysis and projections ever used in the company's history, which served as a basis for setting monthly and annual objectives.