

## 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***Front Office Analyst at KILLIK & Co, first French intern in the firm*

London, United Kingdom

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***Created an associative organization to promote Urban Art artists*

Paris, France

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

Paris, France

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

Dublin, Ireland

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*