**Serge Guilao**

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**SUMMWRY**

Excel Master and VBA Programmer with a background in Mathematics and Finance and a life-long dedication to learning. Effective at Combining Creativity and Problem Solving, and Known for Paying attention to Details no Matter how Complex is The Project.

**EDUCATION**

**Columbia university bootcamp, New York NY** October 2019

Certificate in data analysis/ data science

A 24-weeks intensive program focused on gaining technical programming skills in excel, VBA, python, r, JavaScript, sql database, big data, tableau, and machine learning.

**Stevens Institute Of Technology, Hoboken New Jersey** GPA: 3.234/4, May 2014

Master of Science in Financial Engineering 30 Credits completed

**Lehman College, CUNY** GPA: 3.646/4, September 2009

BA Mathematics and Economics 185 Credits Completed

**EXPERIENCE**

**AB WESLEY, LLC** October/2010 – May/2013

Part Time Entry Level Associate New York, NY

* Performed data manipulation, transformation, and cleansing
* Imported and exported data from text files, saved queries, or databases
* Compile and generate spreadsheets capturing key data
* Created pivot tables and charts using worksheets data and external resources
* Designed, recorded, and executed macros to automate data entry input
* Formatted spreadsheets and workbooks for print, document reproduction, and presentations

**PROJECTS**

* **Time-Varying Portfolio Optimization Project**, Special Problems in FE 800 Spring 2014

Study continuous-time and dynamic approaches to multi-period portfolio optimization, leading to a synthesis of existing literature on the topics. Perform dynamic programming in R or MATLAB.

* **IB Arbitrage Project,** Pricing and Hedging Spring 2012

Applied different trading strategies for arbitrage trades (each with 2 legs at least) entered through the Student Interactive Brokers Account, using different market instruments, R and Java.

**SKILLS**

* Excel Master with success organizing data using VLOOKUP, and HLOOKUP formula development, Pivot Table generation, and Pivot Table reporting
* Proficient in Python, JavaScript, R, and Microsoft Office
* Pricing of options using binomial tree models, Black-Sholes Model, and arbitrage theorems
* Building a Yield Curve using Libor Cash Rates, 3M Euro Dollar Futures and Swap Rates
* Creating a Mixture of Gaussian in Excel using Random Variable or Density Approach
* Creating a Distribution with high Kurtosis, to a Skew Normal Distribution, or Autocorrelations
* Bilingual/ Bicultural (English and French)