Marc Medawar

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EDUCATION

QUEEN MARY UNIVERSITY OF LONDON
MSC in Mathematical Finance
Sep 2018 | April 2020 London, UK
School of Mathematics

LEBANESE AMERICAN UNIVERSITY
BS in Banking and Finance with focus on Computer Science
Sep 2014 | Sep2018 Beirut, Leb
School of Business

ATHENEE DE BEIRUT
Lebanese baccalaureate in General Science
Graduated June 2014, Leb

SKILLS

TECHNICAL SKILLS
Python •C++ • PostgreSQL •R •Git •Linux •HADOOP & Spark• Scikit-Learn & Carat •Scrapy & BeautifulSoup

SOFT SKILLS
•Trilingual communicator English,French,Arabic
•Leadership •Teamwork •Motivator

CERTIFICATES

NYC DATA SCIENCE ACADEMY
July 2020 - October 2020 | New York
Certificate in Data Science
Completed 600 hours of intensive data science certification training, using R and python for data visualization and machine learning. Trained in data engineering tools:
Hadoop,Spark,SparkSQL and Hive

ORDERED DATA STRUCTURES
•Relevant modules: Linked List, Trees, Binary Tree, AVL, Heap

INTRODUCTION TO BLOCKCHAIN TECHNOLOGY
•Relevant modules: Smart contract, Hyperledger, public and private Blockchain

WORK EXPERIENCE

FA KETTANEH -FINANCIAL ANALYST-
Summer 2017
Rotated among various operating departments of the company
Tracked and recorded portfolio transactions covering various industries.
Handled meetings to ensure inventory count

TECHNICAL PROJECTS

Default Predictability in Lending Club
•Worked on a real customer dataset(2 GB)
•Provided investors real return and default rate for various classes across different years
•Built a model that predicts which customer is more likely to default

House Hunting Machine Learning
•Used Scikit Learn and Caret to predict housing prices in Iowa
•Determined the most important features using Random Forest
•Using gradient boosting and support vector regression we predicted the prices of houses with an 88% accuracy and no overfitting

Variance Gamma Model
•Price SP500 European vanilla option using Variance Gamma model
•Compared VG model to Black Scholes and Jump Diffusion model

Web-scraping Indeed: Exploring the US Job Market
•Used Beautiful Soup to parse the https response from indeed
•Compare tech industries related job posting to other industries
•Show that tech industries is a lucrative industry

Data Visualization using R shiny
•Developed an interactive RShiny application letting users compare prices of various Cryptocurrencies against stocks

ACTIVITIES AND COMMUNITY SERVICES

VOLUNTEER IN BEIRUT MARATHON ASSOCIATION BMA
Volunteer
Sep 2016 – Nov 2016 | Beirut, Leb
Prepared for the marathons, which had an aim in the society to empower and encourage people to make a difference

CHILDREN CANCER CENTER
Volunteer
Jan 2017 – Mar 2017 | Beirut, Leb
Assisted in funds raising for care services towards children diagnosed with cancer at early and middle stages

QUEEN MARY FINANCE CLUB
Relevant modules: Securities, Derivatives, ETF and CFD.
Open Source Software Engineering