

Donal O'Brien

BSc (Hons) Financial Mathematics and Actuarial Science

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Summary

Financial Mathematics and Actuarial Science graduate with a great problem solving skill set. This degree enables critical and creative thinking when faced with a problem and provides the ability to be versatile and adaptable in the workplace. Enthusiastic and diligent worker eager to interact with like-minded individuals.

Work Experience

Senior Data Management Analyst

Fidelity International

Dublin, Ireland

Apr 2019 - Present

Senior Data Management Analyst for Fidelity International, a global leader in fund management. This position managed the data traded through the Charles River platform. Working with front office, tech, and business analysis teams daily to ensure quality data was used for trading.

- Trading operational support and timely resolution of trade issues.
- Data quality improvement and analysis.
- Communication with Business and Tech teams to improve the data for trading.
- New Data System analysis and testing.
- Experience with Charles River Development, SQL, Bloomberg Terminal, and internal data architecture.

Quantitative and Operations Analyst

BEx LLC (Northern Trust)

Chicago, IL, United States.

Nov 2017 - Sep 2018

Quantitative and Operations Analyst for BEx LLC, a foreign exchange platform specializing in customizable algorithmic execution. Primary role was in the creation and design process of execution algorithms in the FX markets for Northern Trust. Daily technical operational support for Northern Trust's FX trading desk was also completed.

- Statistical and financial analysis for execution algorithm creation.
- Operational support for trading and system issues.
- BEx won 'Global Finance Best Execution Algorithm Award' in 2018.
- Working knowledge of Linux, MySQL, and Java in a data analytics capacity through various projects.

Education

BSc (Hons) Financial Maths and Actuarial Science **University College Cork** **2013 - 2017**

This degree focused on teaching a broad range of quantitative, numerical, and computational skills to be used in many fields and to successfully approach challenging problems in life. Lecturers encouraged collaborative assignments to develop not only individual technical skills but also interpersonal ability which is transferable to the workplace. A final year project enabled the research and replication of the basic properties of financial markets using agent-based modelling in the NetLogo program.

- Time Series, Probability, Statistics, and Regression modules
- R programming & Computational Finance
- Derivatives, Securities, and Option Pricing

Online Courses

- Coursera: University of Michigan
 - Introduction to Data Science with Python
- Udemy
 - Complete Python Boot camp

Leaving Certificate **St. Brogan's College** **2013**

570 points out of 625.

Additional Information

Continually improving python and data science knowledge through online courses. Adventurous person who likes to travel. Sport fanatic and regular involvement with local GAA and Soccer club community events.

References are available upon request.