Max Alan Kelly

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Bedford
Coding Portfolio: https://kellytheace.github.io/maxkelly-repository/

PROFILE

Dedicated Revenue Growth Management Analyst and Financial Mathematics Graduate with experience in data analysis, financial projections, and applying mathematical techniques to creatively solve financial and data-related problems. Seeking a Trainee Actuarial role to kickstart my career in this field.

EMPLOYMENT HISTORY

The Compleat Food Group   **September 2024 - present**
Revenue Growth Management Analyst

- Created real-time Excel dashboard-style trackers to analyse pricing and promotional data and to monitor key performance indicators.
- Developed Excel and Python regression models to analyse and display price elasticities of products and to provide deeper insight into promotional mechanics and their effectiveness.
- Was responsible for back-end IT architecture development of the financial reporting software (Qlik) to support commercial finance with the forecast and budgeting processes.
- Applied 'revenue decomposition' and 'price quadrant analysis' models to evaluate revenue growth drivers and aid pricing decisions.
- Created P&L as well as Budget financial data mapping for companies that we integrated to the business.
- Achieved a distinction in the Level 5 Operations Management Apprenticeship where I learnt key data, resource and financial management techniques.
- Recognised with the Commercial Excellence Award during my first year.

George Hay Chartered Accountants
Accounting Intern   **June 2022 - July 2022**

- Gained hands-on experience in tax and business advisory.
- Learnt tax reconciliation and backlogged accounts with a supervisor.

Woodland Manor Hotel and Restaurant
Bar and Kitchen Staff   **June 2021 - August 2021**

- Dealt with customer problems in a friendly way.
- Maintained high standards when preparing food and drinks for customers.

EDUCATION

BSc (Hons) Financial Mathematics, Nottingham Trent University   **September 2020 - July 2024**

- Classification: 2:1 (69%), with a first (77%) in my dissertation: 'Game Theory and it's Applications in Business'.

  Key Modules:
- Abstract Algebra, Linear Algebra, Differential Equations and Modelling, Numerical Methods for Ordinary Differential Equations, Data Analysis, Fixed and Continuous Time Financial Mathematics.

  Key Projects:
- Mathematical Analysis of Option Pricing Using Stochastic Differential Equations and the Black-Scholes Model.
- Modelling the Relationship Between Lifestyle Factors and Blood Pressure Using Linear Regression in R Studio.
- Exploring the Security and Efficiency of RSA Encryption Algorithms in Python.
- Analysing the Applications of Matrix Exponentials in Solving Systems of Differential Equations.

Bedford Modern School   **September 2009 - June 2020**

- **3 A-Levels:**   - **10 GCSEs graded 8-5:**

Maths C   Maths 8

Physics C   English Language 7

Economics C

SKILLS

- **IT:** Keen programmer with commercial experience using Excel, VBA, Python, SQL, Qlik script, and Power BI. Strong proficiency in R, MATLAB, JavaScript, HTML, CSS, and SAS. Designed and developed a personal website from scratch using HTML, CSS, and JavaScript to showcase technical projects and blog content.
- **Communication:** ???
- **Problem-solving:** Solved 44 Project Euler problems in Python, ranking in the top 5.6% globally (out of 1.4M+ users), demonstrating advanced mathematical and algorithmic ability, with solutions published online.

PROJECTS

- Portfolio, financial models etc.
- chess engine

ADDITIONAL INFORMATION

- Keen football and racket sports player.
- Board games player having competed in the East Midlands Chess Championship.