

# Roy Wilson

CGMA Adv Dip MA, MSc, BSc

Curriculum Vitae  
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## Overview

- Masters graduate in Accounting and Finance (Distinction) and part-qualified accountant (CIMA).
- Special interest in R statistical programming, RShiny dashboards, data analysis and visualisation.
- Seeking role within a finance & accounting, data analytics, or business analyst/intelligence function.

## Education

|      |   |                                    |
|------|---|------------------------------------|
| 2019 | <b>MSc in Accounting and Finance (Distinction)</b> <ul style="list-style-type: none"><li>• Modules include: Financial Analysis (78%), Management Accounting (83%), Accounting Theory (81%), Financial Econometrics (65%), Research Methods (71%), Advanced Financial Reporting and Regulation (81%), International Financial Markets (64%).</li><li>• Summer project: Financial Research and CFA Series covering the CFA Level 1 syllabus and financial research titled 'the Role of Credit Rating Agencies' and 'Investigating the Efficient Market Hypothesis'.</li></ul> | Bangor University & Fitch Learning |
| 2018 | <b>BSc in Accounting and Finance (First-Class with Honours)</b><br>Investment, Advanced Corporate Finance, Auditing, Advanced Investment Theory and Practice, Corporate Risk Management, Financial Statement Analysis, Comparative Banking, Taxation, Advanced Accounting Theory and Practice, Statistical Methods, Company Law for Business  | Bangor University                  |
| 2015 | <b>A Levels: Maths C, Accounts C, ICT C</b>   | Birmingham Metropolitan College    |
| 2013 | <b>GCSEs: 8 GCSEs A-B, including English, Maths, and Sciences</b>   | Beamont Collegiate Academy         |

## Employment

|              |  |                           |
|--------------|--|---------------------------|
| 2021-Present | <b>Finance and Technology Manager</b> <ul style="list-style-type: none"><li>• Payroll: ensuring candidates are paid correctly and clients are charged correctly each week.</li><li>• Credit control: reviewing invoices and ensuring a low volume of aged-debts.</li><li>• Robotic Process Automation (RPA): automated processing of timesheets and routine processes.</li><li>• APIs: integrating and automating processes between systems.</li><li>• Data analysis: weekly insight into candidate and financial information with rich visualisation features.</li><li>• Built a shift management system with RShiny and PostgreSQL hosted on AWS, integrating with our CRM and payroll workflows.</li><li>• Built a bespoke pay and bill solution integrating data with Xero and Paycircle payroll software.</li><li>• Automated production of sales and self-billing invoices written in RMarkdown and LaTeX.</li><li>• Web automation using RSelenium to extract information and automate tasks.</li></ul> | Medical Resource Partners |
| 2016-2022    | <b>Sales assistant</b> <ul style="list-style-type: none"><li>• Provide excellent customer service</li><li>• Perpetual inventory management, stock rotation, supported product recalls, routine processes</li><li>• Setting up modular and promotional displays and merchandising</li><li>• Familiar with maintaining KRAs and general store performance metrics</li></ul>  | ASDA Stores Ltd.          |

## Professional qualifications and awards

|      |   |   |
|------|---|---|
| 2025 | <b>Associate Member, Chartered Institute of Management Accountants</b>  | AICPA & CIMA  |
| 2020 | <b>CGMA Advanced Diploma in Management Accounting</b>   | AICPA & CIMA  |
| 2020 | <b>2020 Digital Mindset AICPA certificate</b><br>Robotic Process Automation (RPA), blockchain technology, human intelligence, data analysis theory and the future of finance.     | Association of International Certified Professional Accountants |
| 2018 | <b>CIMA Certificate in Business Accounting</b><br>Fundamentals of Business Economics, Management Accounting, Financial Accounting, Ethics, Corporate Governance and Business Law. | CIMA  |
| 2017 | <b>Vulnerable person safeguarding training.</b>   | Bangor University   |

## Personal projects

|           |   |   |
|-----------|---|---|
| 2021      | <b>Dynamic documents</b>  | Dynamic documents written in R markdown - including this CV!                          |
| 2025      | <b>R Shiny dashboard web application hosted on AWS</b>  | <a href="https://moltsa.com">https://moltsa.com</a>                                   |
|           | Molten salts research tools and database in collaboration with the General Atomics Center for Transformational Nuclear Technologies of University of South Carolina.  |   |
| 2021      | <b>R markdown blogdown site</b>   | <a href="https://RoyWilson.UK">https://RoyWilson.UK</a>                               |
|           | Example of dynamically produced articles and a resource to keep track of useful code  |   |
| 2022      | <b>R Shiny dashboard web application hosted on AWS</b>  | <a href="https://Alloys.one">https://Alloys.one</a>                                   |
|           | Publication: J.A. Wilson, L.J. Evitts, A. Fraile, R.E. Wilson, M.J.D. Rushton, D.T. Goddard, W.E. Lee, S.C. Middleburgh, "Predicting the Thermal Expansion of BCC High Entropy Alloys in the Mo-Nb-Ta-Ti-W System, (2022)", Journal of Physics: Energy. <a href="https://doi.org/10.1088/2515-7655/ac6f7e">https://doi.org/10.1088/2515-7655/ac6f7e</a> . |   |
| 2009-2013 | <b>Visual Basic / VB.NET</b>  | Experience building GUIs in a compiled language; experience in functional programming |

## Professional skills

|      |  |                               |
|------|--|-------------------------------|
| 2020 | <b>R for Data Science</b>  | Jumping Rivers RSS Accredited |
|      | Manipulating data, statistical modelling, functional programming, and advanced graphics in R.  |                               |
| 2020 | <b>PostgreSQL</b>  | Data Camp                     |
|      | SQL fundamentals; familiarity with basic queries and aggregate functions.  |                               |
|      | <b>Microsoft Office Suite</b>  |                               |
|      | Including Excel and Access, familiar with data functions (e.g. pivot tables) and working with relational databases.                                    |                               |
| 2019 | <b>Programming Principles and Practice using Python</b>  | Bangor Doctoral school        |
|      | Fundamental programming concepts and best practice.  |                               |
| 2019 | <b>Advanced Python</b>   | Bangor Doctoral school        |
|      | Exceptions; libraries; documentation and unit testing; mapping and filtering; lambda functions; and additional tools.                                  |                               |
| 2019 | <b>Introduction to the Linux Shell</b>   | Bangor Doctoral school        |
|      | Navigating file structures; working with files and directories; standard out, standard error and pipes; loops; conditions; and re-use through scripts. |                               |
|      | <b>Desire to expand on my knowledge of specialist tools for different applications</b>   |                               |
|      | Interest in learning rapid development tools like Tableau, Alteryx, and Power BI.  |                               |
|      | <b>Full clean driver's licence</b>   |                               |