

# Roy Wilson

CGMA Dip MA, MSc, BSc

Curriculum Vitae  
December 2023

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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><br>• 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%).<br>• 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'. | 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><br>• Payroll: ensuring candidates are paid correctly and clients are charged correctly each week.<br>• Credit control: reviewing invoices and ensuring a low volume of aged-debts.<br>• Robotic Process Automation (RPA): automated processing of timesheets and routine processes.<br>• APIs: integrating and automating processes between systems.<br>• Data analysis: weekly insight into candidate and financial information with rich visualisation features.<br>• Built a bespoke pay and bill solution integrating data with Xero and Paycircle payroll software.<br>• Automated production of sales and self-billing invoices written in RMarkdown and LaTeX.<br>• Web automation using RSelenium to extract information and automate tasks. | Medical Resource Partners |
| 2016-2022    | <b>Sales assistant</b><br>• Provide excellent customer service<br>• Perpetual inventory management, stock rotation, supported product recalls, routine processes<br>• Setting up modular and promotional displays and merchandising<br>• Familiar with maintaining KRAs and general store performance metrics  | ASDA Stores Ltd.          |

## Professional qualifications and awards

|      |  |   |
|------|--|---|
|      | <b>Associate Member, Chartered Institute of Management Accountants</b>   | CIMA  |
| 2023 | <b>CIMA Performance and Project Management</b><br>Business Models and Leading and Managing People. Cert: <a href="https://RoyWilson.UK/tpm.pdf">https://RoyWilson.UK/tpm.pdf</a> . | Association of International Certified Professional Accountants |
| 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 **Dynamic documents**  
Dynamic documents written in R markdown - including this CV!
- 2021 **R markdown blogdown site** <https://RoyWilson.UK>  
Example of dynamically produced articles and a resource to keep track of useful code
- 2022 **R Shiny dashboard web application hosted on AWS** <https://Alloys.one>  
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. <https://doi.org/10.1088/2515-7655/ac6f7e>.
- 2009-2013 **Visual Basic / VB.NET**  
Experience building GUIs in a compiled language; experience in functional programming

## Professional skills

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

## Hobbies and interests

- Welsh learner**  
Learning to communicate through the medium of Welsh, attended the ysgol haf, and took part in the Ffrind Cymraeg project
- Books and audiobooks**  
Avid consumer of audiobooks
- Computing and data visualisation**  
Learning how to better represent data and honing my programming and computing skills
- 2016-2018 **Treasurer at Bangor University Chess Society** [Bangor University](#)  
  - Organised and delivered interactive sessions
  - Took control of purchases and delivered the society's budget