

# Roy Wilson

CGMA Dip MA, MSc, BSc

Curriculum Vitae  
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in RoyWilsonUK

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