

# 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> • 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 hosted on AWS, integrating with our CRM and payroll workflows. • 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>	AICPA & CIMA
2025	<b>CGMA Advanced Diploma in Management Accounting</b>	AICPA & CIMA
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	<b>Dynamic documents</b> Dynamic documents written in R markdown - including this CV!	
2025	<b>R Shiny dashboard web application hosted on AWS</b> Molten salts research tools and database in collaboration with the General Atomics Center for Transfor- mational Nuclear Technologies of University of South Carolina.	<a href="https://moltsa.com">https://moltsa.com</a>
2021	<b>R markdown blogdown site</b> Example of dynamically produced articles and a resource to keep track of useful code	<a href="https://RoyWilson.UK">https://RoyWilson.UK</a>
2022	<b>R Shiny dashboard web application hosted on AWS</b> 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> .	<a href="https://Alloys.one">https://Alloys.one</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> Manipulating data, statistical modelling, functional programming, and advanced graphics in R.	Jumping Rivers RSS Accredited
2020	<b>PostgreSQL</b> SQL fundamentals; familiarity with basic queries and aggregate functions.	Data Camp
	<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> Fundamental programming concepts and best practice.	Bangor Doctoral school
2019	<b>Advanced Python</b> Exceptions; libraries; documentation and unit testing; mapping and filtering; lambda functions; and additional tools.	Bangor Doctoral school
2019	<b>Introduction to the Linux Shell</b> Navigating file structures; working with files and directories; standard out, standard error and pipes; loops; conditions; and re-use through scripts.	Bangor Doctoral school
	<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>	