

CV/ Resume Summary:

Physics & Applied Mathematics Graduate from the University of Cambridge  
Prior experience in Lab Tech, Research, Training (in Academia), Supervising, Client Relations (in Corporate), Data Analysis, Programming

Immediate History:

Tax Accountant at Justa & Co Certified Chartered Accountants Ltd. [08/2022-02/2023]

Calculated and Submitted Capital Gain Returns for sales of properties and cryptoassets in accordance with HMRC policies and maximising allowances for tax-efficiency.  
Created a faster workflow for processing bank statements, invoices and ledgers to be coded and integrated into the existing Sage accounting software environment.  
Optimised Excel spreadsheet templates for tripling processing speed & stability and added documentation for subsequent annual adjustments to tax allowances.  
Established a server archival system for client documents received from client meetings, postage, emails and messaging apps, solving a backlog issue of >1000 clients.  
Took interim managerial role of Personal Tax department in senior manager absence in the approach to the annual tax deadline: met/interacted with the bulk of clients (~25/day); was main liaison with other departments and international office, audited & revised prepared accounts and delegated accounts to staff to balance workloads & train a well-rounded team.

Literature Research Review produced under Dr S E Dutton of Dutton Research Group [12/2021-05/2022]: *Improvements in Performance of All Solid State Batteries Through Research on Interfaces*

Interrogated primary literature via the web and library resources.  
Developed the critical faculties to summarise, explain and present an informed view of the state of knowledge in the research field. Distinguishing between widely known/accepted views and more speculative/less developed theories.  
Presented the work in an appropriate style: in formal writing (utilising LaTeX text-processing package) and orally (in an interview presentation to professors).

Experiments conducted under: Dr Tijmen Euser of the NanoPhotonics Centre [09/2021-12/2021]: *Coherence and Information in a Fibre Interferometer*; Dr David Ward [01/2022-03/2021]: *Scanning Tunnelling Microscopy: Oxidation of Graphite: Kinetics on the Atomic Scale*

Computed simulations from theoretical literature contrasted with experimental results.  
Collected data from niche devices to analyse with Python, but also specialist software too  
Devised experiments to: test established theory, verify equipment specifications, investigate physics of fringe cases and isolate behaviour in differing time scales  
Automated data collection and deduced suitable sampling windows to account for errors

Computational Repertoire: MATLAB, C++, Python, Wolfram Mathematica, Excel, Bash:

Curve fitting to data, Correlation testing, 3D plotting, Function interpolation, Numerical integration, Euler & Range-Kutta methods to solve ODEs, Gauss- Jordan Elimination, Discrete Fourier Transforms, Vectorisation, Interfacing to external libraries, Revision control

University of Cambridge, Churchill College [10/2019-07/2022 BA Natural Sciences (Physical)]

Wyggeston and Queen Elizabeth I College [09/2017-07/2019 A-Levels]

Lockheed Martin Scholarship in Partnership with University of Leicester & Senior Space School

UKMT Senior Mathematical Challenge Best in Year Award & Senior Kangaroo Qualification 2018

