

Ryan Cushen

EXPERIENCE

MANAGER, KPMG 2018-22

As a Manager in the Data Analytics team at KPMG, my responsibilities included:

- Leading teams of junior and senior analysts in the delivery of complex analytics work, from initial scoping through to the presentation and reporting of results
- Building relationships with clients, helping to plan and grow their internal analytics capability
- Writing and reviewing code written in R, Python and SQL which implemented various data analysis and visualisation techniques
- Working with senior Partners to realise the firm's broader data and automation strategy

My work focussed on core financial and operational processes, while my clients spanned organisations in the health, natural resources, energy, retail, government and financial services sectors. I also led the development of new analytics products and services within my team and acted as Product Manager for KPMG's internal automation platform.

RESEARCH ASSISTANT, THE UNIVERSITY OF MELBOURNE 2018-19

In addition to my role at KPMG, I assisted Dr Matthew Greenwood-Nimmo in the Faculty of Economics with research, with a focus on Macroeconomics and Econometrics. This primarily involved the development and implementation of econometric models in R, as well as the write-up of results.

MATHS TUTOR, MANNING'S TUTORS 2016-17

Whilst in London, I worked part-time as a maths and economics tutor, teaching group and one-on-one sessions with middle- to secondary-school students. These were run through schools, and ranged in scope from struggling GCSE students to high performing A-Level students. Responsibilities included lesson planning, generation of technical course notes, and coordination with teachers regarding learning strategies for specific students.

INTERN, RIO TINTO JUL/AUG 2016

During my time with Rio Tinto London, I worked alongside the Economics & Markets team, assisting with the production of commodity price forecasts and testing my understanding of industrial economics. This involved:

- Writing commodity research reports
- Analysis of proprietary cost curve data
- An introduction to commodity forecasting methodologies

Key deliverables included an analysis of aluminium industry structure, presented to the group chief economist, and a review of global carbon prices as part of the carbon price forecast. Feedback noted a cogency and clarity of analysis, as well as a quick ability to apply key economic concepts.

FUNDRAISING ACCOUNTS ASSISTANT, RONALD MCDONALD HOUSE CHARITY 2015

At RMHC, my role chiefly involved the management of expenses and corporate payments through administration of Excel-based accounting procedures. Primary responsibilities consisted of:

- Report composition
- Driving process refinement, through development of Excel models
- Analysis of donations data, through tracking and matching payments

Key outcomes included:

- Development of a new accounting and transactions framework for corporate donations
- Articulation of process flows both for Cash and Goods & Services donations, from origination to collection

EDUCATION

THE UNIVERSITY OF NEW SOUTH WALES — MSC (MATHEMATICS), 2019-21

Masters degree in mathematics, with a focus on pure math and computer science. I wrote my thesis on dynamical systems and received a High Distinction.

UNIVERSITY OF MELBOURNE — BCOM (ECONOMICS), 2015-17

First-Class Honours and Dean's Honours List (top 3%). Contributor to Farrago and committee member with the Melbourne Microfinance Initiative.

UDACITY — DATA SCIENCE NANODEGREE, 2019

Building on the material covered in the Machine Learning Nanodegree, this course established a foundation in software engineering, web development, data engineering, and other skills central to the practice of Data Science.

UDACITY — MACHINE LEARNING NANODEGREE, 2017

Extended online course covering the core models and techniques employed across supervised, unsupervised and deep learning problems.

MELBOURNE GRAMMAR SCHOOL — VCE, 2012-13

ATAR 99.35 – top 0.65% of nation (A-Level equivalent of several A*).