James Green

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Experience

Vocational

SMP Group — **London**
Data Lead, Data Team — *2021 - Present*

○ Heading the team responsible for the delivery of technology products and services, working closely with the business sponsor and other key stakeholders to ensure that all projects are delivered on time and to the highest standards. Integrated several enterprise systems into our overall workflow; acted as the internal point of contact for all of the providers.

○ Utilised technical skills in data analysis and machine learning have also been utilized to develop algorithms for efficient packing and to work out the quantity of additional temporary labour required on a weekly basis. I used unsupervised machine learning techniques, including K-means clustering, to determine the optimum packing orders for rollable paper, which has helped improve our operations' efficiency and productivity.

○ Acted as the central point of contact between external IT services and internal stakeholders. With some prior experience, and self-learning I acted as a contact and developer in the company's cloud infrastructure and Linux servers, providing critical support and ensuring the reliability and security of our systems.

○ Developed and maintained a CI/CD process via GitHub, which has streamlined the deployment of code across our staging and live servers, in several areas of the business.

PricewaterhouseCoopers — **London**
Actuarial Pensions Senior Associate, Actuarial Pensions Team — *2019 - 2021*

○ Workforce Strategy & Culture
  - Helped companies navigate complex workforce planning and mobility strategies. Specifically, assisting clients in determining the optimal approach to expanding their workforce, whether through upskilling existing workers or hiring talent from abroad.
  - Implemented a combination of web scraping with data analysis expertise to create bespoke dashboards for multiple global clients; with data specific to their internal workforce. Additionally, worked with an external provider of employee reviews to undertake sentiment analysis of their workforce across employee roles. This allowed more educated business decisions for their workforce.

○ Actuarial Pensions Team
  - Served as a DB pension actuary in the London Financial Services team, working on pension buyouts for clients. I was responsible for customised actuarial models, that accurately captured the financial impact of pension buyouts on pension scheme members. These calculations were the basis of several £10m+ deals.
  - Instrumental in the early development of the Pensions technology team. From upskilling Junior members of the team; to [interacting with] senior stakeholders. This start-up-esque knowledge and willingness to get stuck in with anything allowed the team to thrive.

Insure the Box — **London**
Data Analyst, Actuarial Team — *June – September 2017*

Transformed and cleansed free-input data into structured information to accurately price car insurance policies. Categorised the data into c.30 job categories and created an interactive map to visualize pricing disparities with existing location data. Technical skills in data cleaning, manipulation, visualization and programming, as well as attention to detail, helped ensure data accuracy and quality.

Miscellaneous

St Pauls Girls School — **London**
Scuba Diving Volunteer — *2007 – Present*

Working as a dive leader for disabled persons. From a young age performing 'come-and-try' sessions to engage the local community.

Education

University of Cambridge — **Cambridge**
Mathematics, (MASt) — *2018 – 2019*

Royal Holloway, University of London — **London**
Mathematics, (BSc) first class honours — *2015 – 2018*

Awarded the Wynne Roberts prize for outstanding academic achievement in 1st undergraduate year
Awarded the Wynne Roberts prize for outstanding academic achievement in 2nd undergraduate year
Awarded the Margaret Jackson prize for Pure Mathematics for best student in 2nd undergraduate year exam
Awarded the 2018 IMA Graduate prize for outstanding performance on their mathematical qualification

Other Interests

○ Avid player of all racket sports; currently playing, squash, badminton and tennis. Looking for a Padel partner!

○ Currently interested in ray-tracing from scratch, learning a new (programming) language and writing about it on my blog.