Shimin FU

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EDUCATION

Master of Advanced Study, Mathematics   *2020.10-2021.06*

University of Cambridge, Cambridge, UK
- Stochastic Calculus & Applications; Information Theory; Causal Inference.
- Essay: A Century of Randomisation Inference

Bachelor of Science, Honours Mathematics, Minor Economics   *2016.09-2020.05*

McGill University, Montréal, QC, Canada
- First Class Honours in Mathematics, GPA 3.96/4.00, Grad Excellence Award
- Faculty of Science Scholarships (top 5%), Dean's Honour List (top 10%)
- Gowrisankaran Prize in Math/Stats, Brennen, Herbert Scholarships, Tomlinson Undergraduate Award, Jeanne Bell Science Undergraduate Research Award (SURA) and Math & Stat Undergrad Award

WORK EXPERIENCES

Senior Consultant   *2023.10-Present*
Internal Auditor   *2023.01-2024.09*

RSM UK, London, United Kingdom
- Managing and performing internal audit assignments of various topics for clients in public and private sectors, including repairs and disaster recovery for housing associations, conflicts of interest and health and safety for NHS Trusts, SOX compliance for corporate clients
- Developing systematic approaches including walkthrough, sample testing and data analytics (Alteryx), and reporting conclusions and recommendations to improve clients governance, risk management and control
- Supervising junior colleagues on assignments including staff motivation and technical knowledge
- Certified Internal Auditor (CIA) *[achieved]*; Chartered Internal Auditor (CMIIA) *[in progress]*

Part-time Associate Data Analyst   *2022.05-2022.06*

Tencent, Remote
- Delivered high-quality reports on privacy protection, including the leading firms' prospect of techniques based on the privacy protection regulations in China, comparison of the GDPR of EU with other privacy acts, and strategy of Apple's ATT framework
- Concluded that narrative construction of privacy policies by operating system suppliers was going to be competitive as the regulations and acts had tightened the related requirements

Maths Helpdesk Tutor   *2019.01-2019.05; 2019.09-2020.04*

Dept. of Maths and Stats, McGill University, Montréal, QC, Canada
- Undertook a range of duties relevant to student query answering and course consultation, tailored teaching style

RESEARCH

Research on Quantitative Marketing   *2022.08-2022.12*

London, United Kingdom
- Researched on a series of topics including pricing strategy, product differentiation, and the roles of multivariate data analysis in Consumer Behavioural, via structural modelling, MATLAB and Stata

Uniform Spanning Tree - Research Project   *2019.05-2019.08*

McGill University, Montréal, QC, Canada
- Researched under the supervision of Prof. Louigi Addario-Berry, on uniform spanning trees and Aldous-Broder algorithm on graphs, validating perspectives from configuration model, Pitman's process, Markov chain and mixing, and uniform sampling through Lovász Local Lemma
- Investigated supplementary academic resources through my independent study, and research sessions for collaboration and brainstorming among maths students

Tree Search and Applications - Research Project   *2019.01-2019.03*

McGill University, Montréal, QC, Canada |
- Made a series of presentations under the supervision of Prof. Dmitry Jakobson, on my research about BFS, DFS, their applications in finding cut vertices and blocks of a graph, Kruskal's algorithm and Prim's algorithm in finding minimum-weight spanning trees

SKILLS

- **Certification and Training:** CIA, CMIIA *[in progress]*, CFA Level I *[Passed within top 10%, over 70% each topic]*
- **IT Skills:**
  - Documentation: MS Office including Word, Excel, PowerPoint,
  - Data analytics: Excel, Alteryx, Python including Jupyter Notebook, Tableau, MySQL
  - Design: HTML & CSS
- **Languages:** Mandarin *[Native]*, English *[Fluent]*, French *[Basic]*

INTERESTS

Erhu (Chinese traditional musical instrument) *[17 years]*. Chinese and Western calligraphy. Jazz dance. Figure skating