Shimin FU

Github Page: https://shimin233.github.io | sf686@cantab.ac.uk | +44 7579 946244 | Flat 3, Carthusian Court, 12 Carthusian St., London, EC1M 6EB, UK

EDUCATION

Master of Advanced Study, Mathematics *2020.10-2021.06*
- University of Cambridge, Cambridge, UK
- Overall mark 66/100. 75/100 in Stochastic Calculus & Applications. Essay: A Century of Randomisation Inference

Bachelor of Science, Honours Mathematics, Minor Economics
- McGill University, Montréal, QC, Canada *2016.09-2020.05*
- First Class Honours in Mathematics, GPA 3.96/4.00, Grad Excellence Award
- Jeanne Bell Science Undergraduate Research Award (SURA) and Math & Stat Undergrad Award, Faculty of Science Scholarships (top 5%), Dean's Honour List (top 10%), Tomlinson Undergraduate Award

SKILLS

- CFA Level I Passed (top 10%, over 70% each topic), Statistical analysis, Data visualisation, Database management
- LATEX, Python, MySQL, R, Jupyter Notebook, Github, MS Office, Excel, PowerPoint, Markdown, HTML & CSS,
- Web Design, Logo Design, Mandarin (native), English (fluent), French (basic)

ACTIVITIES

KPMG U.S. Career Catalyst Program: Audit Associate – Forage, Virtual Program *2022.07*
- Presented the satisfying results of an external audit program, using Tableau charts and PowerPoint slide, based on my materiality threshold calculations for general ledger accounts by Excel formulas, preparation for and evaluation of the results of the confirmations for accounts receivable by Pivot tables, and a walkthrough of order-to-cash process for internal control assessment.

Part-time Associate Data Analyst – Tencent, Remote *2022.05-2022.06*
- Delivered high-quality reports on the of privacy protection, including leading firms' prospect of techniques based on the Personal Information Protection Law of the People's Republic of 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 is going to be competitive as the regulations and acts tighten the related requirements

Tutor - Maths Helpdesk, McGill University *2019.01-2019.05; 2019.09-2020.04*
- Undertook a range of duties relevant to student query answering and course consultation, and tailored teaching style according to student academic backgrounds and solved their maths queries on time
- Provided 1-to-1 peer support and referred the mentee to appropriate resources, ranging from academic advisory services to the campus life, via the *Peer Mentor Buddy Program*

AWARDS & SCHOLARSHIPS

2020.05
Gowrisankaran Prize in Math/Stats - Faculty of Science, McGill University, Canada
- Established in 2010 by Professor Kohur Gowrisankaran with additional contributions from family and friends for out- standing students in their second or final year of a full-time Honours undergraduate degree program in the Faculty of Science with Mathematics as at least one component *2019.08*

Brennen, Herbert Scholarships - Faculty of Science, McGill University, Canada
- Established in 1992 by a bequest from H.J. Brennen, B.Sc. 1919, for deserving students majoring in Chemistry or Mathematics. Awarded by the Faculty of Science Scholarships Committee

RESEARCH PROJECTS & ACADEMIC ACTIVITIES

2019.05-2019.08
Uniform Spanning Tree-Research Project - McGill University
- Presented and consolidated a list of new concepts and arguments, independently investigated supplementary books and resources, and collaborated with teammates in reading papers.
- Led research sessions for collaboration and brainstorming among maths students
- Completed in-depth researches into 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

Tree Search and Applications-Research Project - McGill University *2019.01-2019.03*
- Made a series of presentations about Graph Theory with Applications to academic specialists, satisfying supervisors requirements
- Completed robust researches into 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

McGill Directed Reading Program - McGill University *2019.01-2019.03*
- Supported the "Futurama Theorem" analysis in weekly 1-on-1 meetings with my mentor

Institut des Sciences Mathématiques Discovery School-Dynamics of Random Processes – UQAM *2019.06*
- Showed strong communication skills with instructors about advanced topics such as Schramm Loewner evolution through a series of mini-courses and seminars provided by multiple professors from Oxford, McGill, ETH Zürich and TU Berlin respectively

INTERESTS

Erhu (Chinese traditional musical instrument)[17 years]. Chinese and Western calligraphy. Photography. Singing. Jazz dance. Figure skating, Promoting Mathematical Researched to the public