

Shimin FU

Github Page: <https://shimin233.github.io> | sf686@cantab.ac.uk | +44 7579 946244 | Flat 705, Douglass Tower, 9 Goodluck Hope Walk, London, E14 0XD, UK

EDUCATION

Master of Advanced Study, Mathematics	2020.10-2021.06
<ul style="list-style-type: none">University of Cambridge, Cambridge, UKOverall mark 66/100. 75/100 in Stochastic Calculus & Applications. Essay: A Century of Randomisation Inference	
Bachelor of Science, Honours Mathematics, Minor Economics	2016.09-2020.05
<ul style="list-style-type: none">McGill University, Montréal, QC, CanadaFirst Class Honours in Mathematics, GPA 3.96/4.00, Grad Excellence AwardJeanne 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
- Python, MySQL, MATLAB, R, Tableau, LATEX, Jupyter Notebook, Github, MS Office, Excel, PowerPoint
- HTML & CSS, Markdown, Web Design, Logo Design, Mandarin (native), English (fluent), French (basic)

ACTIVITIES

KPMG U.S. Career Catalyst Program: Audit Associate – Forage, Virtual Program	2022.07
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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 timeProvided 1-to-1 peer support and referred the mentee to appropriate resources, ranging from academic advisory services to the campus life, via the <i>Peer Mentor Buddy Program</i>	

AWARDS & SCHOLARSHIPS

Gowrisankaran Prize in Math/Stats - Faculty of Science, McGill University, Canada	2020.05
<ul style="list-style-type: none">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	
Brennen, Herbert Scholarships - Faculty of Science, McGill University, Canada	2019.08
<ul style="list-style-type: none">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

Uniform Spanning Tree-Research Project - McGill University	2019.05-2019.08
<ul style="list-style-type: none">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 studentsCompleted 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
<ul style="list-style-type: none">Made a series of presentations about Graph Theory with Applications to academic specialists, satisfying supervisors requirementsCompleted 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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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 research to the public