

Fan Cheng

Curriculum Vitae
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Education and qualifications

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| 2019– | Ph.D. in Statistics | Monash University, Australia |
| 2016–2018 | M. in Applied Statistics | Central University of Finance and Economics, China |
| 2012–2016 | B.Ec in Statistics | Central University of Finance and Economics, China |

Employment history

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| 2020.07– | Teaching Associate , Department of Econometrics and Business Statistics, Monash University - ETC5513 Collaborative and reproducible practices, ETF3500/ETF5500 High Dimensional Data Analysis |
| 2019.07– | Data Fluency Associate Instructor , Library Research Division, Monash University Library - Monash Data Fluency workshops on R, Python, Git, Unix, HPC, etc. |
| 2020.07–2020.12 | Course Mentor , Monash University Online Microcredential <i>Data Science: Data-Driven Decision Making</i> |
| 2018.07–2019.01 | Research Assistant , School of Statistics and Mathematics, Central University of Finance and Economics |

Internship experience

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| 2016.09–2017.09 | Big Data Analyst , Shanghai Power Xene Digital Technology Company, Beijing, China |
| 2016.03–2016.04 | Research Assistant , China Life Insurance Company Limited, Beijing, China |
| 2015.01–2015.02 | Consultant Assistant , Industrial and Commercial Bank of China (ICBC), Hubei, China |

Research experience

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| 2019.02– | Main Participant , Monash Ph.D. project: Manifold Learning on Empirical Probability Distributions <ul style="list-style-type: none">➤ Supervised by Prof. Rob J Hyndman and Associate Prof. Anastasios Panagiotelis.➤ Successfully completed the confirmation and the mid-candidature milestones.➤ Completed the main algorithm and finished all experiments using MonARCH HPC Cluster.➤ Submitted the working paper titled <i>Manifold Learning with Approximate Nearest Neighbors</i>. |
| 2018.07–2019.01 | Research Assistant , National Natural Science Foundation of China <ul style="list-style-type: none">➤ Assisted in the Efficient Bayesian Flexible Density Methods with High Dimensional Financial Data Project.➤ Completed the stochastic gradient descent application to the multivariate response surface.➤ Completed the paper titled <i>Volatility Analysis for Housing Prices with Bayesian Response Surface Optimization</i>. |
| 2013.04–2014.04 | Project Leader , National Undergraduate Innovation and Entrepreneurship Training Program <ul style="list-style-type: none">➤ Initiated a municipal project, took charge of making overall arrangements for the project, from research topic design, official application of the project fund, plan of the theoretical approaches and research methods to the empirical analysis of the data collected from questionnaire.➤ Won the Excellent Prize upon the accomplishment of the research project.➤ Completed the paper titled <i>Feasibility Analysis for Developing Commercial Insurance for Losing Only-child Problem of Single-child Families</i>. |

Honours and awards

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| 2019 | Monash Graduate Scholarship, Monash University |
| 2019 | Monash International Tuition Scholarship, Monash University |
| 2018 | Outstanding postgraduate student, Central University of Finance and Economics (CUFE) |
| 2017 | First Prize Academic Scholarship for Graduate Student, CUFE |
| 2016 | Outstanding undergraduate student, CUFE |
| 2016 | Scholarship for All-Round Development, CUFE, each year from 2013 to 2016 |
| 2016 | Scholarship for Excellent Academic Innovation |
| 2015 | Second Prize in China Undergraduate Mathematical Contest in Modeling |
| 2015 | National Endeavor Scholarship, Ministry of Education of Beijing |
| 2014 | Scholarship for Excellent Student Cadre |
| 2013 | Excellent Student Cadre, School of Statistics and Mathematics, CUFE |