Stephen Zhaoming Su

MSc Student; BA, BCom, BSc(Hons)

Victoria, Australia

✉ szmsu2011@hotmail.co.nz | ⌨ szmsu2011 | in szmsu2011

Employment

The University of Auckland   *Auckland, New Zealand*

Research Assistant   *Dec 2022 - Jun 2023*

- Involved in developing a statistical programming package (iNZightVIT/iNZightTools) for data wrangling and manipulation
- Completed the front-end and back-end implementation of functions in iNZightTS and iNZightTools on iNZight GUI
- Supervisors: Prof Christopher J Wild, Dr Tom Elliott

The University of Auckland   *Auckland, New Zealand*

Research Assistant   *Jan 2022 - Jun 2022*

- Involved in developing a statistical programming package (iNZightVIT/iNZightTS) for visualising time series
- Supervisors: Prof Christopher J Wild, Dr Tom Elliott

The University of Auckland   *Auckland, New Zealand*

Teaching Assistant   *Mar 2020 - Dec 2020*

- Computer room tutor and marker of Statistical Computing (STATS 380) and Statistical Modelling (STATS 330).

GF Fund Management Co., Ltd.   *Guangzhou, China*

Index and Quantitative Investment Analyst Intern   *Dec 2018*

- Assisted in data analytics workflow and preparation works.

Education

The University of Melbourne   *Victoria, Australia*

MSc in Mathematics and Statistics   *Jul 2023 - current*

- Recipient of the Science Graduate Scholarship.
- Recipient of the Melbourne Global Graduate Scholarship.
- Recipient of the Professor Maurice H Belz Scholarship.
- Studied computational statistics, bayesian statistical learning, multivariate statistics, mathematical statistics, measure-theoretic probability theory and stochastic optimisation.
- Master thesis focuses on variable selection for high-dimensional generalised linear models.

The University of Auckland   *Auckland, New Zealand*

BSc(Hons) in Statistics with First Class Honours   *Mar 2021 - Feb 2022*

- Recipient of the University of Auckland Postgraduate Honours Scholarship.
- Studied data visualisation, Bayesian inference, applied multivariate analysis, stochastic processes and statistical computing with R.
- Honours research project was to develop a data storytelling dashboard for exploring Auckland air quality using R.

The University of Auckland   *Auckland, New Zealand*

Summer Research Scholar   *Nov 2019 - Apr 2020*

- Recipient of the University of Auckland Summer Research Scholarship.
- Involved in a research project in developing statistical computing tools for Visualising Multivariate Data (SCI078).
- Supervisor: Prof Christopher J Wild

The University of Auckland   *Auckland, New Zealand*

BA in Statistics, BCom in Finance and Information Systems   *Jul 2017 - Dec 2020*

- Recipient of the University of Auckland Academic Potential Scholarship.
- Recipient of the Senior Scholar Award in the Faculty of Arts.
- Studied stochastic modelling, time series analysis, statistical modelling and statistical computing using R and SAS, in Statistics.
- Studied advanced financial management, modern investment theory and risk management, in Finance.
- Studied information security, data visualisation using Tableau and enterprise systems with SAP ERP, in Information Systems.
- Obtained first in class in 5 courses.

Software development (R packages)

2022 **iNZightTS**: Author
Provides analysis and data visualisation tools for exploring time series data used by iNZightVIT/iNZight.

2023 **iNZightTools**: Author
Provides data wrangling and manipulation helper functions for data science practices in iNZightVIT/iNZight.

iNZight: Contributor
2023 Graphical user interface of the iNZight application, which provides tools for data manipulation, exploratory data analysis, multi-variable graphics, time series analysis and linear models.