



Stephen Zhaoming Su

MSc STUDENT; BA, BCom, BSc(Hons)

Victoria, Australia

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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, stochastic optimisation and nonparametric statistical modelling.
- 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, 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 (submitted to CRAN)
Provides analysis and data visualisation tools for exploring time series data used by iNZightVIT/iNZight.
- 2023 **iNZightTools**: Author (submitted to CRAN)
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.