

Tomson Qin

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Please visit <https://rieszrt.github.io/> to see my latest resume and demos of my projects.

SUMMARY

My name is Tom and I'm a Double Degree Statistics and Economics graduate from the Australian National University.

During my degree I focused on Stochastics and Mathematical analysis as well as Machine Learning while serving as President of the University's Data Science Society.

My core programming technology is Python, but I also have experience with other languages, security features and cloud technologies necessary to build the front and back end of an application.

EXPERIENCE

Statistician Data Analyst Graduate Development Program - FIS 2021-Present:

FIS is an American Fortune 500 company which offers financial products and services.

- Using Big Data and splunk to create reports of FIS Credit Card and Transactions services.
- Develop and Migrate Apps on LAMP Stack Webservers.
- Creating Data Visuals, Dashboards and reports for our clients HSBC and NAB.
- Technologies used: Splunk, PHP, SQL, Apache, Javascript, Linux

EDUCATION

Bachelor of Statistics/Economics | Stochastic analysis Focus/ Theoretical Statistics | **Australian National University | Canberra | 2020**

EXTRA CURRICULAR

Co Founder - RLE 2021-Present:

Our business RLE buys and sells second hand items. I created the web scrapers, language and pricing models and software to plan pickup routes efficiently.

President- ANU Data Science Society 2020-2021:

Responsible for organising meetings, collaborations. We have over 200 student members.

Treasurer - ANU Data Science Society 2019-2020:

Responsible for managing club funds, organising club events and recruitments. Maintain the society website and Data Science blog.

REFERRAL LETTER

Dr Pierre Portal, lecturer in the Analysis (harmonic, functional, and/or stochastic) of partial differential equations at ANU | pierre.portal@anu.edu.au

SKILLS

- **Data Scraping:** Selenium, Appium, BeautifulSoup
- **Data Science:** Splunk, Python (scikit-learn, pandas, NumPy, Pytorch), Javascript and
- **Data visualization:** R shiny, Plotly
- **Cloud Platforms/Environments:** AWS, Azure, Heroku, Github
- **BlockChain:** Solidity, Web3
- **Back End:** MySQL, PHP, DynamoDB, Flask, Apache
- **Front End:** React, HTML

PROJECTS

Gov Hack 2021 40 hour challenge:

Implemented 2 protocols to give participants a provably safe way to respond truthfully to surveys without relying on a mere promise of anonymity.

Classification and Pricing Model from item description:

A model to classify and price recurring second hand items based on their product description.

Bayesian Optical character recognition:

A paper I wrote on employing Bayesian inference to significantly improve existing Optical Character Recognition algorithms for reading chess player's handwriting.

Sports Modelling:

A scraper of live sports data across 3 countries and 26 betting sites, displaying live profitable strategies in a dashboard.

Housing Model:

Analysis of Canberra's Housing market to compare the growth of different real estate investment strategies. The model compares, various types of investment properties under local tax laws and changes in exogenous parameters.