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

Background

I'm a statistics and economics graduate from the Australian National University. My skills include Mathematics, Statistical modelling, Full Stack and BlockChain development.

My data skills include being able to work across the entire data pipeline, from scraping and cleaning the data, to creating both the front and back end infrastructure to present my analysis. In designing public facing web apps, I can apply best practices from cyber security to keep the back end secure. Please see my website at <https://rieszrt.github.io/> to see demos of my various projects.

My teamwork and leadership skills was acquired over my 2 years in the ANU data science society. There I served as treasurer and subsequently president, each lasting 1 year. In that time, I learnt to listen to leadership as well as lead, give guidance to students, work as a team to explore ideas and update the team on the progress of events.

EDUCATION

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

Computer Science | **Open Source degree in computer science | Ongoing**

EXPERIENCES

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
- **Data Science:** 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, DynamoDB, Flask
- **Front End:** React, HTML

PROJECTS

Social Media Models:

Gathering and Modelling of Social Media data from Instagram, TikTok, Facebook and other sources to identify the development of trends, communities and demographics. These models can be used to create innovative ways to cater to a new, digital-savvy generation of shoppers.

EY Global Data Competition:

Using Machine Vision, Simulations and other techniques to Model Geo spatial data and satellite images to predict the presence and spread of Australian Bushfires.

Predicting user occupation from Instagram posts:

Natural Language processing to classify occupation of Canberran instagram users. Trained on Instagram posts scraped with python. Modelling and visualization completed with R.

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 considers, various types of investment properties, local tax laws, changes in exogenous parameters and alternative investments.