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Flynn Owen, Data Engineer

Currently working as a data engineer at Dot Loves Data in Wellington New Zealand. I have a great passion for data, coding and mathematics, meaning a position as a data engineer was a natural path to follow. I love to learn new things, and find data engineering a rich area with still many things being discovered about the field itself every day. Coming from a technical background, I believe that the soft skills are just as important as the hard ones in this profession.

Employment History

Data Engineer at Dot Loves Data, Wellington

April 2021 — Present

- Construction of automated data pipelines using external APIs to populate the internal database (Python, Selenium, Jenkins, SQL)
- Maintenance of internal geocoder application (D, Docker)
- Construction of processing pipelines for external clients (SAS, Excel)
- Sole maintainer of the Dynamic Deprivation Index

Junior Data Scientist (ML/AI) at Spotlight Reporting, Wellington

January 2020 — April 2021

- Fully productionised machine-learning churn model (SQL, Python, AWS)
- Fully productionised machine-learning model predicting conversion of trialists (SQL, Python, AWS, Tensorflow)
- POC concept models involving clustering, and time-series prediction of financial data.
- Creation of an S3 data-lake using AWS Lambdas to call various API endpoints

Data Science Intern at Harmonic Analytics, Wellington

November 2019 — December 2019

- Statistical analysis and creation of a dashboard in R Shiny for a large NZ sports streaming service

Data Analyst Intern at Sealord NZ Ltd, Nelson

November 2018 — February 2019

- Creation and maintenance of database tables using Excel and SQL

Education

Masters of Science, Victoria University of Wellington, Wellington

August 2020 — August 2022

A masters part II thesis titled "Fitting Finite Mixture Models as Generalised Mixture Models - A Divide and Conquer Approach". Fully funded with a stipend awarded as part of a Marsden fund scholarship. Supervised by Professor Richard Arnold and Doctor Louise McMillan.

Masters of Applied Statistics, Victoria University of Wellington, Wellington

February 2019 — June 2020

- GPA of 8.4 (A/A+)
- Research thesis on likelihood-based methods of clustering binary matrix data with Professor Richard Arnold
- Awarded a scholarship and stipend worth $25,000 NZ to continue research
- All academic transcripts are available on request

Bachelor of Commerce (Mathematics and Economics Double Major), Victoria University of Wellington, Wellington

February 2015 — November 2018

- Included in the Dean's list for academic excellence in 2018
- Resindential advisor at Everton Hall in 2018

Links

Linkedin   **Github**

Skills

◯ Python	◯ SQL
◯ Git	◯ R
◯ Docker	◯ AWS
◯ Bash	◯ German

References

References available upon request

Projects

Projects Completed that are Visible on Github

2019 — Present

- A Facebook Messenger implementation of GPT-3 (Python, Flask)
- Timetable optimization using chromatic colouring of graphs (R, R Shiny)
- Elon Musk text generation Twitter-bot (Python, AWS)
- Hierarchical clustering package (rbclust) for binary matrix data (R) – Working with Professor Richard Arnold (hidden, but visible upon request)