

Cymon TRAYNOR

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FOURTH YEAR ACTUARIAL STUDIES & ECONOMICS STUDENT

EDUCATION

University of New South Wales, Sydney

February 2022 - November 2025

Bachelor's of Actuarial Studies / Economics (Data Analytics & Econometrics)

88.308 WAM ; Dean's List Stages 1, 2 & 3

Completed Actuaries Institute Foundation Program and Data Science Principles with all HDs

EXPERIENCE

University of New South Wales, Sydney

January 2024 - December 2025

ACTL2111 (Financial Math for Actuaries) ; ACTL2131 (Probability & Math Statistics) ; COMM2501 (Data Vis & Comms)

Casual Academic, School of Risk & Actuarial Studies

- Conducted 1.5 - 2 hour tutorials for up to 25 undergraduate students per session
- Marked cohort assignments whilst managing time allocation and feedback quality
- Provided informative responses to student queries on course sponsored messaging boards

ACHIEVEMENTS

UNSW Dean's List for Academic Excellence Stage 3 2024

1st [JACS Consulting] ASOC x Taylor Fry Actuarial 2024

ASOC x ASSOC x ANU EY Finalist 2023

UNSW Dean's List for Academic Excellence Stage 2 2023

UNSW Dean's List for Academic Excellence Stage 1 2022

HSC All Rounder 2021

PROFESSIONAL SKILLS

Programming in R, Python, Excel, Tableau and Power BI – Highly adaptable to Prophet and SQL

Applications of Machine Learning towards achieving, interpreting, communicating and applying insights

Ability to employ strong mathematical background to support Actuarial and Economic skillsets

Optimising premium pricing strategy using modelling approaches, competitor strategies & customer demand elasticity

Applying data visuals and adaptable communication methods to convey results regardless of knowledge background

RELEVANT PROJECTS

Pet Insurance

September 2024 - December 2024

- Employed a Zero inflated Poisson - Multinomial - GBM model (frequency - claim type - severity) to identify an effective premium pricing strategy, whilst also maintaining inherent and post hoc interpretability

MRI Brain Tumour Classification

May 2024 - August 2024

- Applied Quadratic Kernel SVMs and Sequential & Functional Convolutional NNs
- Attained accuracies of 0.888, 0.942 and 0.962 after tuning hyperparameters and architectures

Numeracy Recommendations using NAPLAN Year 5 results as a proxy

May 2024 – July 2024

- Employed EDA and interpretable, additive models to identify key numeracy drivers at a primary level
- Utilised resulting insights to effectively address numeracy impacting shortfalls in the Australian primary system

Profit Testing Superannuation Update

February 2024 - April 2024

- Converted Excel based tables, calculations and code to R
- Enhanced efficiency and enabled parallel calculations for a high use aspect of a premium pricing approach

Portfolio Optimisation of NIKKEI225 and HOSE stocks

September 2023 - December 2023

- Expanded upon R skills using non-linear optimisation to implement varying portfolio conditions, such as:
No short sales or constrain debt ; Limit weights of stocks from specified industries or indices ; Include Gov Bonds

Traffic Collision Prediction

May 2023 - August 2023

- Applied Elastic Net Logistic Regression, Random Forests and GBMs to maximise predictive capacity & interpretability

EXTRACURRICULAR ACTIVITIES

- Percussionist ; Specialising in Mallet percussion on Marimba ; Solo and Ensemble ; HSC Encore