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
Highly familiar with R, Python, Excel, Tableau and Power BI ; Adaptable to Prophet and SQL

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 at a time
- 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

SKILLS

Programming in R and Python based languages
Applications of Machine Learning towards achieving, interpreting, communicating and applying insights
Strong mathematical background supporting Actuarial and Economic skillsets
Optimising premium pricing strategy using modelling approaches, competitor pricing strategies & customer demand elasticity
Making strong use of Actuarial and Economic background in actuarial or multi-disciplinary project based work
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 iteratively improving model hyperparameters and architectures

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 since 2017 ; Specialising in Mallet percussion on Marimba ; Solo and Ensemble performance
- Football since 2013 ; Left winger