CALVIN GUO

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OBJECTIVE

Machine Learning is the next step to modelling complex tasks. My goal is to apply cutting edge machine learning models to solve real world problems as an AI engineer.

EDUCATION

University of Toronto Class of 2022

- Honours Bachelor of Science
- Specialist Program in Statistical Machine Learning and Data Mining

SKILLS

- **Technologies**: Python, R, Tidyverse, Linux, Bash, Git, Pytorch, Keras, Scikit Learn
- **Models**: GLM, GAM, Random Forest, Transformers, PCA, K means
- **Other**: A lot of experience working with model selection, model tuning, feature selection, regularization in many coureses such as Big Data Analysis, Natural Language Computing, Neural Networks. (4.0/4.0 in Machine Learning, 3.7/4.0 in Neural Networks)

PROJECTS

Moose – Stock Analysis and Prediction with ML

- Random Forest model predicts next month return.
- Captures the general volatility of the stock.
- Great prediction results with user input of next month trend (pos, neg).
- R Tidymodels workflow to easily tune and switch models.

Elk – Simple Stock Script for Stock Selection

- Scrapes EPS estimates to calculate future PE, PEG, etc.
- Easily follow up on multiple stocks in your portfolio to look for potential up and down trends.
- Sort by stock PE, Growth, Sharpe, Alpha, Beta, Bband for easy stock selection.

SUMMARY OF MY STRENGTHS

- Great communication and teamwork skills
- Quick to adapt to new technologies with extensive background in current technologies.
- Familiar with both statistical machine learning and deep learning.