CALVIN GUO

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OBJECTIVE

I think machine learning is the next step to automation as it can solve most complex and tedious tasks that used to be impossible with computers. By applying machine learning across applications in our daily lives, we can greatly enhance our productivity, so I really look forward to working on bringing these models to everyday use!

SKILLS

- Linux, Bash, Python, R, Tidyverse, Pytorch, Keras, Scikit Learn.
- Experience working with most shallow and deep learning models (GLM, GAM, Random Forest, Transformers, etc) in multiple courses and multiple projects.
- A lot of experience working with model selection, model tuning, feature selection in many coureses such as Big Data Analysis, Natural Language Computing, Neural Networks.

PROJECTS

Moose – Stock Analysis and Prediction with ML

- Random Forest model predicts next month return
- Captures the general volatility of the stock
- Very good prediction but requires user input of next month trend (pos, neg).
- R Tidymodels workflow to easily tune and swtich 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

EDUCATION

University of Toronto Class of 2022

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