

# CALVIN GUO

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## OBJECTIVE

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

## EDUCATION

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### University of Toronto

Class of 2022

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

## SKILLS

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- **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 courses 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

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### 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

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- Great Communication and Teamwork skills
- Quick to adapt to new technologies with extensive background in current technologies.