Mohammed Ali

Edmonton, AB
(780)-267-6288
clipp-ing.github.io/
mohammedali1997.04@gmail.com

Analysis focused person looking to create solutions and learn in an exciting work environment. **Areas of expertise:** Statistics, programming, data analysis.

EDUCATION

Bachelors of Science with Specialization in Statistics, BsC, University of Alberta **Sept 2015 — April 2020**

RELEVANT COURSEWORK

Sampling Techniques, Fall 2017	**Sept 2017 — Dec 2017**
Applied Regression Analysis, Fall 2017	**Sept 2017 — Dec 2017**
Survival Analysis, Winter 2018	**Jan 2018 — April 2018**
Time Series Analysis, Winter 2019	**Jan 2019 — April 2019**
Risk Theory, Fall 2019	**Sept 2019 — Dec 2019**
Computational Statistics, Winter 2020	**Jan 2020 — April 2020**
Computational Finance, Winter 2020	**Jan 2020 — April 2020**

ACTUARIAL EXAMS

Exam P	**Passed September 2020**
Exam FM	**Passed February 2021**

SKILLS

Software	Microsoft Word, Microsoft Excel, Microsoft Powerpoint, PowerBI
Programming	Python, R, Matlab, SQL
Programming (Packages)	XGBoost, Sci-kit learn, glmnet, pandas, matplot, ggplot, tidyverse, tensorflow
Soft Skills	Analytical, fast-learner, detail-oriented

EXPERIENCE

Math Tutor (part-time) **Nov 2020 — Feb 2022**
Paper Co Edmonton, AB

- Worked online independently teaching students (from grade 4 to university) topics in mathematics, statistics and programming
- Collaborated with other tutors on solutions to obscure/difficult topics in areas of mathematics and statistics

PERSONAL PROJECTS

Projects can be found on my github : https://github.com/clipp-ing/personal_projects/

Stock Predictions

Python Tensorflow

- Prepared and preprocessed a large dataset (2.5 million entries) for use in a machine learning model
- Performed exploratory data analysis to gain insight into the dataset
- Created GRU model in tensorflow to predict future daily returns
- LSTM model was created using tensorflow's 'lower-level' API for greater flexibility and fine-tuned adjustments