

Graduate Student at Stanford University, Management Science & Engineering www.tianyudu.com | tianyudu@stanford.edu

LINKS

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COURSEWORK

GRADUATE

Probabilistic Machine Learning (A+)
Neural Net and Deep Learning (A+)
Machine Learning (A+)
Stochastic Processes (A+)
Data Mining (A+)
Causal Inferences (A+)
Optimization Algorithms (A)
Measure Theory (A)

UNDERGRADUATE

Real Analysis (A+)
Advanced Calculus (A+)
Linear Algebra (A+)
Non-linear Optimization (A+)
Probability (A+)
Time Series Forecasting (A+)
Game Theory (A+)
Econometrics (A+)
Experimental Economics (A+)
Economics of Information (A+)
Market Design (A)
Combinatorics (A+)

SKILLS

PROGRAMMING

Python • Shell • Matlab • R Stata • Mathematica • SQL • C++ Julia

DATA SCIENCE LIBRARIES

Pytorch • Tensorflow • Pandas Numpy • Sci-kit Learn • Matplotlib Seaborn

OTHERS

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EDUCATION

STANFORD UNIVERSITY | SEP 2020 - JUN 2022 (EXPECTED)

Master of Science, Management Science & Engineering

- Cum. GPA: 4.123/4.000.
- Focus on computational social sciences and graph neural networks.

UNIVERSITY OF TORONTO | SEP 2017 - JUN 2020

Honours Bachelor of Science (High Distinction), Economics & Mathematics

- Cum. GPA: 4.00/4.00, course average: 95%.
- Supervised by Stuart M. Turnbull (Finance) and Aloysius Siow (Economics).
- Top graduating student from Woodsworth college.
- Top graduating student from the department of economics.

STANFORD UNIVERSITY | Jun 2019 - Aug 2019

Summer Session, Intensive Studies in Data Science

Cum. GPA: 4.300/4.000.

HONOURS

	Reza Satchu Award For Excellence In Economics
A	Awarded to the graduating Economics student with the highest cumulative GPA.
Jun 2020 T	The Arthur M. Kruger Honours Scholarship
А	Awarded to the top graduating student from Woodsworth college.
Jan 2020 N	Mcnab Undergraduate In-Course Scholarship
Oct 2019 A	Alexander Mackenzie Scholarship In Economics And Political Science
Jul 2019 K	Killam American Fund For International Exchange
2017-20 D	Dean's List Scholar (All Semesters at University of Toronto)
Jun 2020 T Jan 2020 N Oct 2019 A Jul 2019 K	The Arthur M. Kruger Honours Scholarship Awarded to the top graduating student from Woodsworth college. Mcnab Undergraduate In-Course Scholarship Alexander Mackenzie Scholarship In Economics And Political Science Killam American Fund For International Exchange

RESEARCH AND ACTIVITIES

RESEARCH STUDENT AT SNAP | SEP 2020 - PRESENT

Supervisor: Jure Leskovec, Mentor: Jiaxuan You

RESEARCH STUDENT AT UNIV. OF TORONTO | APR - SEP 2020

Supervisor: Ashton Anderson

We are working on a project examining the causal relationship between players' performances and quitting behaviours from more than 260m chess game records by 30k players. We found aggregate-level behaviours were indeed driven by two distinct types of players.

UNDERGRADUATE HONOURS THESIS | SEP 2019 - APR 2020

Supervisors: Stuart M. Turnbull and Alovsius Siow

This thesis focuses on the WTI crude oil market and predictive powers encoded in sentiments of news from major publishers. I designed a framework to quantify news sentiments and incorporate sentiments into forecasting models, such framework provides an estimation to the profitability of predicting the market from news data.

TD ROTMAN FINHUB TDMDAL HACKATHON | FEB 2020

Finalist Group (Top 5)

In this project, we developed a dictionary based NLP process extracting information from transcripts of earning calls of S&P 500 companies, and predict stock price movement on the next trading day.