Tianyu Du

Undergraduate at University of Toronto, Economics, Mathematics and Computer Science

Contacts

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Educations

Sep. 2017 - Jun. 2020 (Expected) **University of Toronto**, Toronto, Canada.
Honours Bachelor of Science (Forth Year)
Programs Economics&Mathematics Specialist and Computer Science Minor
Current cGPA: *4.00/4.00*

Jun. 2019 - Aug. 2019 **Stanford University**, CA, United States.
Summer Session, Intensive Studies Program in Data Science
Courses: Machine Learning (Graduate), Data Mining and Analysis (Graduate), Theory of Probability (Undergraduate).

Sep. 2014 - Jun. 2017 **Hangzhou Foreign Language School**, Hangzhou, China.
General Certificate of Education, A Level by Cambridge International Examinations
Economics, Mathematics, Further Mathematics, Physics, English.
Advanced Placement: Microeconomics, Macroeconomics.

Scholarships and Awards

Jan. 2018 Dean's List Scholar (2017-18)
Jun. 2019 Dean's List Scholar (2018-19)
May. 2019 International Experience Award ($ 5,000)

Academic Activities

May. 2018 - Present. **Artificial Neural Networks in Economic Forecasting**
Independent Research
Evaluating and comparing the relative performances of neural networks and traditional models on time series forecasting.

May. 2019 - Jun. 2019 **Independent Reading in Mathematics: Mathematical Economics**
Supervisor: Robert J. McCann
Reading in microeconomic theories with rigorous mathematical proofs.

Sep. 2018 **CIBC Machine Intelligence Hackaton**
Finalist Group (Top 5)
An auto-encoder-decoder architecture neural network was implemented to catch fraud in medical insurance

Skills & Certificates

Familiar with data mining, machine learning in both R and Python. Data analysis in Matlab, Stata, and Mathematica. Operating workstations and servers running linux systems.
Certificates: Accelerated Computing With Cuda (Nvidia), (on Coursera) Practical Time Series Analysis, Serverless Machine Learning with Tensorflow on Google Cloud Platform, Recurrent neural networks, ocial and Economic Networks: Models and Analysis, and Machine Learning.