

# Tianyu Du

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

## CONTACTS

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GITHUB: <https://github.com/TianyuDu>

## EDUCATIONS

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SEP. 2017 **University of Toronto**, Toronto, Canada.  
- JUN. 2020 Honours Bachelor of Science (Forth Year)  
(Expected) PROGRAMS Economics&Mathematics Specialist, and Computer Science Minor  
CURRENT CGPA: 4.00/4.00  
JUN. 2019 **Stanford University**, California, United States.  
- AUG. 2019 Summer Session, Intensive Studies Program in Data Science  
SEP. 2014 **Hangzhou Foreign Language School**, Hangzhou, China.  
- JUN. 2017 General Certificate of Education, A Level by Cambridge International Examinations  
Advanced Placement  
JUL. 2016 **University of Toronto**, Toronto, Canada.  
Summer Session

## SCHOLARSHIPS AND AWARDS

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JUN. 2019 Dean's List Scholar (2018-19)  
JAN. 2018 Dean's List Scholar (2017-18)  
MAY. 2019 International Experience Award  
(Killam American Fund for International Exchange \$ 5,000)

## ACADEMIC ACTIVITIES

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MAY. 2018 **Artificial Neural Networks in Economic Forecasting**  
- PRESENT. *Independent Research*  
Evaluating and comparing the relative performances of neural networks and traditional models on time series forecasting.  
MAY. 2019 **Independent Reading in Mathematics: Mathematical Economics**  
- JUN. 2019 *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

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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, social and Economic Networks: Models and Analysis, and Machine Learning.