

Tianyu Du

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

CONTACTS

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EDUCATIONS

SEP. 2017 **University of Toronto**, Toronto, Canada.
- JUN. 2020 Honours Bachelor of Science
(Expected) PROGRAMS Economics&Mathematics Specialist and Computer Science Minor
RELEVANT COURSES: Real analysis, Game Theory, Non-linear optimization
Time Series Analysis, Econometrics, Microeconomics (PhD)
CUMULATIVE GPA: 4.00/4.00

JUN. 2019 **Stanford University**, California, United States.
- AUG. 2019 Summer Session, Intensive Studies Program in Data Science
COURSES: Machine Learning (Graduate), Data Mining and Analysis (Graduate),
Theory of Probability (Undergraduate).

SEP. 2014 **Hangzhou Foreign Language School**, Hangzhou, China.
- JUN. 2017 General Certificate of Education, A Level by Cambridge International Examinations
Advanced Placement (AP)

JUL. 2016 **University of Toronto**, Toronto, Canada.
Summer Session

SCHOLARSHIPS AND AWARDS

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)

ACTIVITIES

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

SKILL SHEET

- Programmings: Python including TensorFlow, PyTorch, Sci-kit Learn, Numpy, and various data visualization toolkits (Proficiency); R (Proficiency); Matlab (Intermediate); Mathematica (Intermediate); STATA (Intermediate); Bash Programming (Intermediate).
- Development: Server deployment on Amazon Web Services (AWS) and Google Cloud Platform (GCP).
- Data Analysis & Machine Learning: Solid mathematical and statistical foundations for statistical learning models.