TIANYU DU

Undergraduate Student Studying Economics and Mathematics at University of Toronto

CONTACTS & PERSONAL INFO

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EDUCATION

University of Toronto, Canada *Sep. 2017 - Jun. 2020(Expected)*
Honours Bachelor of Science.
Program: Economics & Mathematics Specialist, Computer Science Minor.
Cumulative GPA: 4.00/4.00, Course Average: 94%.

Stanford University, United States *Jun. 2019 - Aug. 2019*
Program: Intensive Study in Data Science.
Cumulative GPA: 4.30/4.30, Course Average: 99%.

Hangzhou Foreign Languages School, China *Sep. 2014 - Jun. 2017*
Examinations: General Certificate of Education A-Level(CIE). Advanced Placement(AP).
Activities: Co-founder of HwHumans Student Platform.

SCHOLARSHIPS & AWARDS

Dean's List Scholar(2018-19) *Jun. 2019*
International Experience Award (Killam American Fund for International Exchange) *May.* 2019
Dean's List Scholar(2017-18) *Jan. 2018*

SKILLS

Programmings Python including TensorFlow, PyTorch, Sci-kit Learn, Pandas, Numpy, and various data visualization toolkits; R; STATA; Matlab; Mathematica; Bash.
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.

ACTIVITIES & PROJECTS

Patient Data Analysis on PANSS Dataset *Jun.2019 - Aug.2019*
The Final Project for STATS202 at Stanford University (Final Report Class Top)
Positive and Negative Syndrome Scale (PANSS) scores of schizophrenia patients were used to test treatment effects, k-means and Gaussian mixture were used to cluster patients based on scores prior to treatment. Moreover, SVM, random forests, and boosting machines were developed to detect potential invalid assessments and forecast patients' future psychological states.

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