Yanna Ding

AFFILIATION

Department of Computer Science and Department of Mathematics University of Toronto
10 King's College Road Toronto, Ontario M5S 3G4, Canada

EDUCATION

University of Toronto, Toronto, Ontario, Canada

⬦ Honours Bachelor of Science in Computer Science and Mathematics
GPA: 3.92/4.0   Expected Graduation: June 2021

PROMINENT
COURSEWORK

Computer Graphics *(Grade: A+)*	2021 Winter
Neural Networks and Deep Learning *(Grade: A+)*	2021 Winter
Introduction to Combinatorics *(Grade: A+)*	2020 Winter
Software Tools and Systems Programming *(Grade: A+)*	2019 Fall
Introduction to Number Theory *(Grade: A+)*	2019 Fall
Complex Variables *(Grade: A+)*	2019 Summer
Computer Organization *(Grade: A+)*	2019 Winter
Introduction to Ordinary Differential Equations *(Grade: A+)*	2019 Winter
Calculus II *(Grade: A+)*	2019 Winter
Linear Algebra II *(Grade: A+)*	2018 Fall
Concepts in Abstract Mathematics *(Grade: A+)*	2018 Fall
Introduction to Computer Science *(Grade: A+)*	2018 Summer
Mathematical Expression and Reasoning for Computer Science *(Grade: A+)*	2018 Summer
Modern Standard Korean I *(Grade: A+)*	2018 Summer
Principles of Macroeconomics *(Grade: A+)*	2018 Winter
Linear Algebra I *(Grade: A+)*	2018 Winter
Introduction to Psychology *(Grade: A+)*	2018 Winter
Principles of Microeconomics *(Grade: A+)*	2017 Fall

HONOURS AND
AWARDS

⬦ **Mitacs Research Training Award**   2020

⬦ **Department of Computer Science Undergraduate Research Award**, University of Toronto
2020

⬦ **Admission Scholarships**, University of Toronto   2017

⬦ **Dean's List Scholar**, Faculty of Arts and Science, University of Toronto   2018, 2019

⬦ **The Chancellor's Scholarship** for high academic achievement, St. Hilda's Fund   2019,
2020

RESEARCH
EXPERIENCE

⬦ **Social Network Analysis on Stigmatizing Tweets Related to COVID-19 (with Prof.
Syed Ishtiaque Ahmed, University of Toronto)**   2020.05 - present

Collected and maintained a dataset of 650+ million tweets. Accomplished statistical analysis on stigmatizing tweets, including calculating correlation between proportion of stigmatizing tweets and political status of states in North America. Constructed a network of

hashtags and a retweet network of Twitter users, using Python and Gephi, to find influential hashtags and Twitter users in the networks, respectively.

◇ **Inter-rater Reliability App Implementation (with Prof. Priyank Chandra, University of Toronto)** 2020.05 - 2020.09

Worked on the algorithms that calculate the degree of agreement among different raters. Implemented a standalone app that computes various inter-coder reliability statistics (e.g., Fleiss' Kappa) using ElectronJS and React.

SKILLS
◇ Programming in C, python, LaTeX and java.
◇ Speaking English, Mandarin and Korean.
◇ Obtained 10th Grade Certificate issued by the Music Examination Committee of the Chinese Musicians' Association (piano).