

Yanna Ding

PORTFOLIO	https://dingyanna.github.io	
AFFILIATION	Department of Computer Science and Department of Mathematics University of Toronto 10 King's College Road Toronto, Ontario M5S 3G4, Canada	
EDUCATION	Rensselaer Polytechnic Institute , Troy, New York, United States ◇ Received an offer of the Ph.D. program in Computer Science Expected Start Term: Fall 2021 University of Toronto , Toronto, Ontario, Canada ◇ Honours Bachelor of Science in Computer Science and Mathematics GPA: 3.92/4.0 2017 - 2021	
PROMINENT COURSEWORK	Computer Graphics (<i>Grade: A+</i>) Neural Networks and Deep Learning (<i>Grade: A+</i>) Introduction to Combinatorics (<i>Grade: A+</i>) Software Tools and Systems Programming (<i>Grade: A+</i>) Introduction to Number Theory (<i>Grade: A+</i>) Complex Variables (<i>Grade: A+</i>) Computer Organization (<i>Grade: A+</i>) Introduction to Ordinary Differential Equations (<i>Grade: A+</i>) Calculus II (<i>Grade: A+</i>) Linear Algebra II (<i>Grade: A+</i>) Concepts in Abstract Mathematics (<i>Grade: A+</i>) Introduction to Computer Science (<i>Grade: A+</i>) Mathematical Expression and Reasoning for Computer Science (<i>Grade: A+</i>) Modern Standard Korean I (<i>Grade: A+</i>) Principles of Macroeconomics (<i>Grade: A+</i>) Linear Algebra I (<i>Grade: A+</i>) Introduction to Psychology (<i>Grade: A+</i>) Principles of Microeconomics (<i>Grade: A+</i>)	2021 Winter 2021 Winter 2020 Winter 2019 Fall 2019 Fall 2019 Summer 2019 Winter 2019 Winter 2019 Winter 2018 Fall 2018 Fall 2018 Summer 2018 Summer 2018 Summer 2018 Winter 2018 Winter 2018 Winter 2017 Fall
HONOURS AND AWARDS	◇ Mitacs Research Training Award ◇ Department of Computer Science Undergraduate Research Award University of Toronto ◇ Admission Scholarships , University of Toronto ◇ Dean's List Scholar , Faculty of Arts and Science, University of Toronto ◇ The Chancellor's Scholarship for high academic achievement St. Hilda's Fund	Fall 2020 Summer 2020 Fall 2017 2018 - 2021 2019, 2020

RESEARCH EXPERIENCE	<p>◇ Social Network Analysis on Stigmatizing Tweets Related to COVID-19 (with Prof. Syed Ishtiaque Ahmed, University of Toronto) 2020.05 - present</p> <p>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. Contributed to a submission to the CPHA's COVID-19 & Public Health Forum in April 2021.</p> <p>◇ Inter-rater Reliability App Implementation (with Prof. Priyank Chandra, University of Toronto) 2020.05 - 2020.09</p> <p>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.</p>
SKILLS	<p>◇ Programming in python, \LaTeX, C, C++, Java and JavaScript.</p> <p>◇ Speaking English, Mandarin and Korean.</p> <p>◇ Obtained 10th Grade Certificate issued by the Music Examination Committee of the Chinese Musicians' Association (piano).</p>