YUCHEN WANG

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https://yuchenwyc.github.io/

EDUCATION

University of Toronto Sept. 2017 - Present
Honour's Bachelor of Science
Specialist in Computer Science (Machine Learning), Major in Statistics, Minor in Mathematics
Cumulative GPA: 4.00/4.00, Course Average: 92.34%

RESEARCH EXPERIENCE

Department of Computer Science, University of Toronto April 2020 - Present
Summer Research Student
Supervisor: Prof. Roger Grosse

University Health Network, University of Toronto May 2019 - Dec. 2019
Summer Research Student
Supervisor: Prof. Bo Wang

GRADUATE-LEVEL COURSES TAKEN IN UNDERGRAD

- Computer Graphics (CSC418/2504) Summer 2020, In progress
- Statistical Methods for Machine Learning II (STA414/2104) Winter 2020, 91/100
- Neural Networks and Deep Learning (CSC413/2516) Winter 2020, 95/100
- Stochastic Processes (STA447/2006) Winter 2020, 97/100
- Methods of Data Analysis 1 (STA302/1001) Summer 2019, 90/100

SCHOLARSHIP AND AWARDS

- University of Toronto Excellence Awards (UTEA) $6000 May 2020
  University of Toronto
- The Dorothy Walters Scholarship Dec. 2019
  Woodsworth College, University of Toronto
  This scholarship is awarded to 18 students with the most outstanding academic performance among more than 6300 undergraduates in Woodsworth College.
- Dean's List Scholar Fall 2017 - Present
  University of Toronto

RESEARCH PROJECTS

Post-Transplant Complication Mortality Prediction Using Deep Learning from Longitudinal Electronic Health Records Data May 2019 - December 2019

Engineered a sequential model using Artificial Neural Networks that accurately predicts 1-year outlook cause of death with $\sim$ 0.8 auc, 2-year and 5-year outlook cause of death with $\sim$ 0.7 auc.
Supervised by Prof. Bo Wang and Dr. Mamatha Bhat

OTHER PROJECTS

UofT Notes Sept. 2019 - Present
Built a collection of typesetted notes of math and statistics courses I have taken at University of Toronto.

Mars Game Platform Jan. 2019 - March 2019
An open-source Game Platform that contains 3 games and a database in cloud that stores user accounts & scores.
Implemented games Sliding Tiles and Sudoku. Produced UI designs in Android. Created and documented some tests.

CIBC Machine Intelligence Hackathon Oct. 2018
Finalist Group (Top 5)
Developed an Encoder-decoder Artificial Neural Networks model to detect fraud in medical insurance claims.
(Oral presentation)

OTHER EXPERIENCE

University of Toronto Machine Intelligence Student Team Sept. 2018 - Dec. 2018
Public Relations Director
Organized an external group to reached out to student clubs for collaboration opportunities

DHC Software Co. Ltd, Xi'an, Shannxi, China May 2018 - July 2018
Web Development Intern
Engineered in the Oracle database for *Office Automation system for Shannxi Yanchang Petroluem*using SQL queries and consulted with customers to report defects in the system.

TECHNICAL SKILLS

Programming Languages	Python, C, R, Java, MatLab, Julia, Bash
Python Libraries	NumPy, PyTorch, Pandas, Autograd, Matplotlib, Scikit-learn
Software & Tools	HTML & CSS, LaTeX, Excel, Git