

# Yushu Zou

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## EDUCATION

### Dalla Lana School of Public Health, University of Toronto

09/2022 - Present

MSc in Biostatistics (Thesis Stream)

- Supervising by Dr. Kuan Liu
- Cumulative GPA: 4.0/4.0

### University of Toronto Scarborough

09/2018 – 06/2022

Honor BSc in Statistics, Specialist in Statistical Machine Learning and Data Science

- Cumulative GPA: 3.74/4.0; Statistics GPA: 3.89

## WORKING EXPERIENCE

### Practicum Student

10/2022 - Present

Public Health Ontario

Toronto, ON

- Supervising by Dr. Lennon Li and Dr. Venkata R. Duvvuri
- Developing statistical models and machine learning algorithms to predict COVID-19
- Utilizing **Python** and **R** to build and evaluate the performance of statistical models and machine learning algorithms

### Lab Statistician

05/2022 - Present

Toronto Lung Transplant Program | University Health Network

Toronto, ON

- Supervised by Dr. Chung-Wai Chow
- Cleaning and analyzing on longitudinal dataset using **R**, and visualized patients' performance in different lungfunction measurements under different treatments
- Conduct literature search and review on the health service utilization and survival after lung transplantation

### Data Analyst

07/2021 - 08/2021

Investment & Development Dept. | Zhejiang Dongri Co.

Wenzhou, China

- Drafted and initialed a vendor proposal with an estimated net worth of 8 million RMB (1.5 million CAD)
- Established algorithm models using **Python** to monitor the projected prices of agricultural products the corporatewholesales and to highlight the irregular transaction records
- Utilized the Monte Carlo method using **Python** to track the corporate's historical stock share prices and formulated a statistical model to anticipate future stock valuation and to support corporate strategical decision makin

## RESEARCHING EXPERIENCE

### Lab/Research Assistant

05/2022 – 03/2023

University of Toronto Scarborough

Toronto, ON

- Supervised by Professor Lisa Jeffrey
- Perform quantitative estimates about the benefits and advantages of working remotely
- Collect data through web scrapping using **Python**

### Research Assistant

04/2021 - 07/2021

Ningbo Institute of Materials Technology & Engineering, Chinese Academy of Sciences

Ningbo, China

- Supervised by Professor Wang Wenfeng
- Used **Python** to employed techniques such as SARIMA model and supervised learning to collate data pertaining to the Covid 19 cases in Hubei Province over the period January to March 2020

## TEACHING EXPERIENCE

### Teaching Assistant (STA130, STAB52, STAC32)

09/2022 – 12/2022; 09/2023 – 12/2023

Department of Statistics, University of Toronto

- Facilitated in-person tutorials and online office hours by going over practice questions, related topics, and taking up students' questions
- Graded assignments and exams by providing feedback and brief explanation on the reason of losing marks
- Monitored final exam by answering students' questions and clarifying questions during the exam

## CERTIFICATION & AWARD

SAS Certified Professional: Advanced Programming Using SAS 9.4 | SAS

08/2022

SAS Certified Specialist: Base Programming Using SAS 9.4 | SAS

05/2022

Dean's List Scholar | University of Toronto Scarborough

2018, 2019, 2020, 2021

Awarded based on receiving a GPA of 3.5 or above

University Of Toronto Scholar | University of Toronto Scarborough

2018

Awarded based on a high admission average