Zehui Yin

Undergraduate Student and Research Assistant at University of Toronto Scarborough
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Education

University of Toronto Scarborough, HBA   9/2020 - Present

Major in Economics for Management Studies
Minor in Geographic Information Science & Applied Statistics
Cumulative GPA: 3.97 out of 4

Honours & Awards

University of Toronto Scarborough Dean's List   2021, 2022

Annual GPA equal to or greater than 3.5 in the previous academic year

University of Toronto Scholar   2021

C$1500 scholarship for top 20 students in the previous academic year

Research Experiences

Research Assistant   11/2022 - Present

Project 1: "Newcomers' Accessibility to Agencies"
Project 2: "Metrolinx Service for OSAP Students"
Program: Suburban Mobilities Cluster
Supervised by: Dr. Steven Farber, Dr. Andre Cire, and Dr. Ignacio Tiznado-Aitken

Research Assistant (Volunteer)   5/2022 - 8/2022

Project 1: "E-scooters as a Last-Mile Transit Solution? Travel Behavior Insights from
Los Angeles and Washington D.C."
Project 2: "Survey of Evacuation Behavior in the 2021 Marshall Fire, Colorado"
Project 3: "Digital Twin with Real-time Transit Data: UF Campus with RTS"
Project 4: "The E-scooter as a Feeder-mode to Transit: Re-evaluating a Common Assessment
Protocol"
Supervised by: Dr. Xiang 'Jacob' Yan

Publications & Reports

Forrister, A., Yan, X., **Yin, Z.**, Zhao, X., Cova, T., Lovreglio, R., Nilsson, D., & Kuligowski, E.
(2022). Survey of Evacuation Behavior in the 2021 Marshall Fire, Colorado. *Natural Hazards*

Center Quick Response Grant Report Series, *349.* Boulder, CO: Natural Hazards Center, University of Colorado Boulder. Available at: https://hazards.colorado.edu/quick-response-report/survey-of-evacuation-behavior-in-the-2021-marshall-fire-colorado

Certificates

[Bayesian Statistics](#), Coursera   7/2021

[Linear Regression and Modeling](#), Coursera   6/2021

[Inferential Statistics](#), Coursera   6/2021

[Welcome to Game Theory (with Honours)](#), Coursera   5/2021

[Introduction to Probability and Data with R](#), Coursera   5/2021

Languages

English: Full Professional Proficiency

Mandarin Chinese: Native Language

Research Interests

Spatial & Temporal Data Analysis

Econometrics

Cartography & Data Visualization

Programming & Automation

Transit & Transportation Equality

Computational Methods & Data Science Training

STAC53: Applied Data Collection

MGEB12: Quantitative Methods in Economics II

GGRC42: Making Sense of Data: Applied Multivariate Analysis

MATA32/33: Calculus for Management I/II

STAB22: Statistics I

CSCA20: Introduction to Programming (Python)

University of Toronto Scarborough

Programming Languages & Software

Proficient: R (Spatial-R: *sf*, *terra*, *sp*, *r5r*), ArcGIS, Markdown, Microsoft Office suite

Intermediate: Python, SQL, QGIS, LaTeX

Working experience: VBA, HTML, MATLAB, GitHub