






Zehui Yin

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 0000-0001-6954-7918  IC7pmh0AAAAJ&hl  [zehuiyin.github.io](https://github.com/zehuiyin) | Updated: 2024-Apr

Education

McMaster University, PhD in Geography 9/2024 (Incoming) -
School of Earth, Environment & Society
Supervisor: [Dr. Darren Scott](#)
University of Toronto Scarborough, HBA 9/2020 - 6/2024 (Expected)
Major in Economics for Management Studies
Minor in Geographic Information Science & Applied Statistics
Certificate in Computational Social Science
Cumulative GPA: 3.98 out of 4

Honours & Awards

Department of Human Geography Outstanding Academic Performance Award 2024
Highest graduating cumulative GPA in the Minor in Geographic Information Systems
Vincent Bladen In-course Scholarships 2023
C\$300 scholarship for exceptional academic achievement
Sotherton Wadhams In-course Scholar 2023
C\$1500 scholarship for high academic standing
University of Toronto Excellence Awards 2023
C\$7500 scholarship for undergraduate students to conduct summer research projects
University of Toronto Scarborough Dean's List 2021, 2022, 2023
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 & Teaching Experiences

Research Assistant 11/2022 - Present
Project 1: "Newcomers' Accessibility to Agencies in Scarborough"
Project 2: "Metrolinx Service for OSAP Students at UTSC"
Project 3: "Towards sustainable neighborhoods? Tensions and heterogeneous transport

priorities among suburban residents”

Project 4: “Evaluating the transit accessibility and equity of the Bus Rapid Transit (BRT) system: The case of Dar-es-Salaam, Tanzania”

Project 5: “Toronto Cycling Survey”

Project 6: “Neighbourhood Satisfaction in Scarborough: A Discrete Choice Analysis with Spatial Effects”

Program: [Suburban Mobilities Cluster](#)

Supervised by: [Dr. Steven Farber](#), [Dr. Andre Cire](#), and [Dr. Ignacio Tiznado-Aitken](#)

Teaching Assistant

5/2023 - 8/2023

Course: [GGRA30](#) Geographic Information Systems (GIS) and Empirical Reasoning at *University of Toronto Scarborough*

Duties: Conduct tutorials, invigilate examinations, grading assignments and tests

Research Assistant (Volunteer)

5/2022 - 8/2022

Project 1: “Shared 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: Developing Spatial Interpolation Functions for Sociodemographic and Built-environment Variables in R

Project 5: “The E-scooter as a Feeder-mode to Transit: Re-evaluating a Common Assessment Protocol”

Supervised by: [Dr. Xiang ‘Jacob’ Yan](#)

Publications & Reports

Yin, Z., Rybarczyk, G., Zheng, A., Su, L., Sun, B., & Yan, X. (2024). Shared micromobility as a first- and last-mile transit solution? Spatiotemporal insights from a novel dataset. *Journal of Transport Geography*, 114, 103778. <https://doi.org/10.1016/j.jtrangeo.2023.103778>

Huang, E., **Yin, Z.**, Broaddus, A., & Yan, X. (2024). Shared e-scooters as a last-mile transit solution? Travel behavior insights from Los Angeles and Washington D.C. *Travel Behaviour and Society*, 34, 100663. <https://doi.org/10.1016/j.tbs.2023.100663>

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>

Work in Progress

What Makes People Happy with Their Neighbourhoods? Exploring Individual Covariates Beyond Socio-demographics in Scarborough, Ontario, *with Shaila Jamal, and Steven Farber*

Towards sustainable neighborhoods? Tensions and heterogeneous transport priorities among suburban residents, *with Ignacio Tiznado-Aitken, and Steven Farber*

Evaluating the Transit Accessibility and Equity of the Bus Rapid Transit (BRT) System: The Case of Dar-Es-Salaam, Tanzania, *with Leonard Mwesigwa, and Steven Farber*

Invited Talks

“Investment Priority on Transportation Infrastructures.” *Suburban Mobilities Cluster Day, University of Toronto Scarborough*, June 9, 2023. <https://www.mobilitynetwork.utoronto.ca/suburban-mobilities-cluster-at-utsc-celebrates-its-first-research-day-with-a-focus-on-improving-transportation-at-scarborough>

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 Analysis
Econometrics
Transportation Equity
Public Transit & Micromobility
Cartography & Data Visualization

Computational Methods & Data Science Training

MGED11: Theory and Practice of Regression Analysis
MGEC11: Introduction to Regression
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

CSCA20: Introduction to Programming (Python)

University of Toronto Scarborough

Programming Languages & Software

Proficient: R (Spatial/GIS: *sf*, *terra*, *sp*, *raster*, *r5r*; Modelling: *apollo*, *ranger*; Visualization: *ggplot2*, *plotly*, *shiny*), ArcGIS Pro, ArcGIS Online, Markdown, Microsoft Office suite

Working experience: Python, SQL, QGIS, L^AT_EX, Overleaf, VBA, HTML, CSS, JavaScript, Leaflet, Turf.js, MapLibre GL JS, Git, GitHub

References

Available upon request