Xiang 'Jacob' Yan

◇ Phone: +01 443-240-1099 ◇ Email: xiangyan@ufl.edu
◇ Personal website: https://jacobyan0.github.io/

EDUCATION

University of Michigan, Ann Arbor, Michigan

• Ph.D. in Urban and Regional Planning 2015 - 2019
– Dissertation: *Redefining the value of accessibility: Toward a better understanding of how accessibility shapes household residential location and travel choices* (Won the 2020 best dissertation award from the World Society for Transport and Land Use Research)

• Master's in Urban Planning (Housing, Community, and Economic Development) 2013 - 2015
– Capstone project: *Stabilizing Morningside* (Won the 2018 AICP Student Project Award)

University of Florida, Gainesville, Florida
• M.S. in Civil Engineering (Transportation Engineering) 2020 - 2021

Nanjing University, Nanjing, China
• B.S. in Urban and Regional Planning (Economic Geography) 2008 - 2013

ACADEMIC APPOINTMENTS

Research Assistant Professor 2021 -
• Engineering School of Sustainable Infrastructure & Environment, University of Florida

Adjunct Lecturer 2021 -
• Engineering School of Sustainable Infrastructure & Environment, University of Florida
– Teaches a dual-listed course titled *"Applied Data Science in Civil and Environmental Engineering"*

Postdoctoral Associate 2019 - 2020
• Department of Urban and Regional Planning, University of Florida

AWARDS, HONORS, AND FELLOWSHIPS

Best Dissertation Award, World Society for Transport and Land Use Research	2021
Outstanding Paper Award 2020, *Travel Behaviour and Society*	2021
Distinguished Dissertation Award in Urban and Regional Planning, University of Michigan	2020
Rackham One-Term Dissertation Fellowship, University of Michigan	2019
AICP Student Project Award, American Planning Association	2018
Honorable Mention, Karen Polenske Best Student Paper Award, Intl. Assoc. for China Planning	2018
Feuerwerker Fellowship for Conference Travel Funding ($500), U-M Center for Chinese Students	2017
ICR-Rackham Summer Training Award ($2500), University of Michigan	2016
Meng Minwei Exchange Student Scholarship (25,000 RMB), Shun Hing Group Foundation	2011

PUBLICATIONS

Peer-reviewed Journal Articles

[17] **Yan, X.**, Bejleri, I., Zhai, L. (forthcoming). A spatiotemporal analysis of transit accessibility to low-wage jobs in Miami-Dade County. *Journal of Transport Geography.*

[16] **Yan, X.**, Yang, W., Zhang, X., Xu, Y., Bejleri, I., Zhao, X. (2021). A spatiotemporal analysis of e-scooters' relationships with transit and station-based bikesharing. *Transportation Research Part D: Transport and Environment*. 12, 103088. https://doi.org/10.1016/j.trd.2021.103088

[15] Wang, X., **Yan, X.**, Zhao, X., Cao, Z. (2022). Identifying latent shared mobility preference segments in low-resourced communities: Ridehailing, fixed-route bus, and mobility-on-demand transit. *Travel Behaviour and Society*, 26, 134-163. https://doi.org/10.1016/j.tbs.2021.09.011

[14] Chen, S., **Yan, X.**, Pan, H., Deal, B. (2021). Using big data for last-mile performance evaluation: An accessibility-based approach. *Travel Behaviour and Society*, 25, 153-163. https://doi.org/10.1016/j.tbs.2021.06.003

[13] Steiner, R., Bejleri, I., Bai, X., Han, M., **Yan, X**. (2021). Partnerships between agencies and transportation network companies for transportation-disadvantaged populations: Opportunities and challenges. *Transportation Research Record: Journal of the Transportation Research Board*. https://doi.org/10.1177/03611981211032629

[12] **Yan, X.**, Zhao, X., Han, Y., Van Hentenryck, P., Dillahunt, T. (2021). Mobility-on-demand versus fixed-route transit systems: An evaluation of traveler preferences in low-income communities. *Transportation Research Part A: Policy and Practice*, 148, 481-495. https://doi.org/10.1016/j.tra.2021.03.019

[11] **Yan, X.** (2021). Toward accessibility-based planning: Addressing the myth of travel-cost savings. *Journal of the American Planning Association*, 87 (3), 409-423. https://doi.org/10.1080/01944363.2020.1850321

[10] Merlin, L., **Yan, X.**, Zhao, X. (2021). A segment-level model of shared scooter origins and destinations. *Transportation Research Part D: Transport and Environment*, 92, 102709. https://doi.org/10.1016/j.trd.2021.102709

[9] Xu, Y., **Yan, X.**, Liu, X., Zhao, X. (2021). Identifying key factors associated with ride-splitting rate and modeling their nonlinear relationships. *Transportation Research Part A: Policy and Practice*, 144, 170-188. https://doi.org/10.10416/j.tra.2020.12.005

[8] Zhao, X., **Yan, X.**, Yu, A., Van Hentenryck, P. (2020). Prediction and behavioral analysis of travel mode choice: A comparison of logit models and machine learning. *Travel Behavior and Society*, 20, 22-35. https://doi.org/10.1016/j.tbs.2020.02.003 (**Won the 2020 Outstanding Paper Award**)

[7] **Yan, X.**, Liu, X., Zhao, X. (2020). Using machine learning for direct demand modeling of ridesourcing services in Chicago. *Journal of Transport Geography*, 83, 102661. doi.org/10.1016/j.jtrangeo.2020.102661

[6] **Yan, X.** (2020). Evaluating household residential preferences for walkability and accessibility across three U.S. regions. *Transportation Research Part D: Transport and Environment*, 80, 102255. https://doi.org/10.1016/j.trd.2020.102255

[5] Deng, L., **Yan, X.**, Chen, J. (2019). Housing affordability, subsidized lending and cross-city variation in the performance of China's housing provident fund program. *Housing Studies*, 1-24. https://doi.org/10.1080/02673037.2019.1585521

[4] **Yan, X.**, Levine, J., Marans, R. (2019). The effectiveness of parking policies to reduce parking demand pressure and car use. *Transport Policy*, 73, 41-50. https://doi.org/10.1016/j.tranpol.2018.10.009

[3] **Yan, X.**, Levine, J., Zhao, X. (2019). Integrating ridesourcing services with public transit: An evaluation of traveler responses combining revealed and stated preference data. *Transportation Research Part C: Emerging Technologies*, 105, 683-696. https://doi.org/10.1016/j.trc.2018.07.029

[2] Goodspeed, R., **Yan, X.**, Hardy, J., Vydiswaran, V.G.V., Berrocal, V.J., Clarke, P., R., Gomez-Lopez, I.N., Romero, D., Veinot, T.C. (2018). Comparing the data quality of GPS devices and smartphones for assessing relationships between place, mobility, and health: A field study. *Journal of Medical Internet Research mHealth and uHealth*, 6 (8), e168. https://doi.org/10.2196/mhealth.9771

[1] Hardy, J., Veinot, T. C., **Yan, X.**, Berrocal, V. J., Clarke, P., Goodspeed, R., Gomez-Lopez, I.N., Romero, D., Vydiswaran, V. G. V. (2018). User acceptance of location-tracking technologies in health research: implications for study design and data quality. *Journal of Biomedical Informatics*, 79, 7-19. https://doi.org/10.1016/j.jbi.2018.01.003

Peer-reviewed Book Chapters

[1] Goodspeed, R., **Yan, X.** (2017). Crowdsourcing street beauty: Visual preference surveys in the big data era. in Schintler, L.A. and Chen, Z. (Eds.), *Big Data for Regional Science (Routledge Advances in Regional Economics, Science and Policy* (pp.75-93). London and New York: Routledge.

Peer-reviewed Conference Proceedings

[15] Su, L., **Yan, X.**, Zhao, X. (2022). Micromobility equity: A comparison of shared e-scooters and station-based bikeshare in Washington DC. *Proceedings of Transportation Research Board 101st Annual Meeting.*

[14] Zhao, X., Xu, Y., Lovreglio, R., Kuligowski, E., Nilsson, D., Cova, T., Wu, A., **Yan, X.** (2022). Estimating Wildfire Evacuation Decision and Departure Timing Using Massive GPS Data. *Proceedings of Transportation Research Board 101st Annual Meeting.*

[13] **Yan, X.**, Zhao, X., Broaddus, A., Johnson, J., Srinivasan, S. (2022). Exploring the potential of shared e-scooters as a last-mile complement to public transit. *Proceedings of Transportation Research Board 101st Annual Meeting.*

[12] **Yan, X.**, Bejleri, I., Zhai, L. (2022). A spatiotemporal analysis of transit accessibility to low-wage jobs in Miami-Dade County. *Proceedings of Transportation Research Board 101st Annual Meeting.*

[11] **Yan, X.**, Yang, W., Zhao, X. (2022). Do e-scooters complement or compete with public transit and station-based bikesharing? A case study of Washington DC. *Proceedings of Transportation Research Board 101st Annual Meeting.*

[10] Zhang, X., Zhou, Z., **Yan, X.**, Zhao, X. (2022). Examining Spatial Heterogeneity in the Determinants of Ridesourcing Trips with Explainable Machine Learning. *Proceedings of Transportation Research Board 101st Annual Meeting.*

[9] Fang, J.,**Yan, X.**, Bejleri, I. (2022). Which Trip Destination Matters? Estimating the Influence of Land Use on Mode Choice for Home-Based Complex Tours. *Proceedings of Transportation Research Board 101st Annual Meeting.*

[8] Wang, X., **Yan, X.**, Zhao, X., & Cao, Z. (2021). Identifying latent shared mobility preference segments in low-resourced communities: Ride-hailing, fixed-route bus, and mobility-on-demand transit. *Proceedings of Transportation Research Board 100th Annual Meeting.*

[7] Steiner, R., Bejleri, I., Bai, X., Han, M., **Yan, X**. (2021). Partnerships between Agencies and Transportation Network Companies for Transportation-Disadvantaged Populations: Benefits, Problems, and Challenges. *Proceedings of Transportation Research Board 100th Annual Meeting.*

[6] Zhao, X., Wang, X., **Yan, X.**, & Cao, Z. (2021). Assessing preference heterogeneity for Mobility-on-Demand transit service in low-income communities: A latent segmentation based decision tree method. *Proceedings of Transportation Research Board 100th Annual Meeting.*

[5] Xu, Y., **Yan, X.**, Sisiopiku, V. P., Merlin, L. A., Xing, F., & Zhao, X. (2021). Micromobility trip origin and destination inference using General Bikeshare Feed Specification (GBFS) data. *Proceedings of Transportation Research Board 100th Annual Meeting.*

[4] Zhao, X., Zhou, Z., **Yan, X.**, & Van Hentenryck, P. (2020). Distilling black-box travel mode choice model for behavioral interpretation. *Proceedings of Transportation Research Board 99th Annual Meeting.*

[3] Zhao, X., Liu, X., & **Yan, X**. (2020). Modeling demand for ridesourcing services in the City of Chicago: A direct demand machine learning approach. *Proceedings of Transportation Research Board 99th Annual Meeting.*

[2] Xu, X., **Yan, X.**, and Dillahunt, T. (2019). Reaching hard-to-reach populations: an analysis of survey recruitment methods. *In Conference Companion Publication of the 2019 Conference on Computer Supported Cooperative Work and Social Computing* (pp. 428-432). https://doi.org/10.1145/3311957.3359447

[1] **Yan, X.**, Levine, J., Marans, R. (2019). The effectiveness of parking policies to reduce parking demand pressure and car use. *Proceedings of Transportation Research Board 98th Annual Meeting.*

Reports and Other Publications s Bejleri I., Zhang, Y., Zhai, L., and **Yan, X.**. (2020). Timely, dynamic, and spatially accurate roadway incident information to support real-Time management of traffic operations. *Florida Department of Transportation*, Report No. BDV31-977-111.

Dillahunt, T., **Yan, X.** (2019). Mobility-on-demand versus fixed-route transit systems: An evaluation of traveler preferences in low-income communities. Poverty Solutions, University of Michigan. Policy Brief, March 2019.

Yan, X. (2014). The mortgage interest deduction: The debate and possible reforms. *Agora: The Urban Planning and Design Journal of the University of Michigan*, 8, 84-93.

Yu T., **Yan, X.** (2011). Creating a dynamic urban planning assessment system: to solve the problem of authoritarian plans. *Modern Urban Research* (In Chinese), 12, 22-27.

Yan, X., Yu, T., Wang, X. (2011). Headquarters economy in the context of globalization: A review. *Modern Urban Research* (In Chinese), 9, 91-96.

GRANTS

Equitable AI in Transportation Jan 2022 - June 2023
- · Amount: $175,000
- · Funder: USDOT Region 4 STRIDE UTC center
- · Co-PIs: Xilei Zhao (UF), Michael Hunter (Georgia Tech)
- · My role: PI

Investigating Shared E-scooters as a First/Last Mile Connection to Transit Oct 2021 - Sep 2022
- · Amount: $35,000
- · Funder: Ford Motor Company
- · Collaborators: Xilei Zhao (UF, co-PI), Andrea Broaddus (Ford PI)
- · My role: PI

Mobility-on-Demand Transit for Smart and Sustainable cities Sep 2020 - Dec 2021

· Amount: $413,430
· Funder: USDOT Region 4 STRIDE UTC center
· PI/co-PIs: Xilei Zhao (UF, PI), Noreen McDonald, Nikhil Kaza, Noah Kittner (UNC Chapel Hill), Virginia Sisiopiku (Univ. of Alabama at Birmingham), Xia Jin (Florida International University), Jeffrey Lamondia (Auburn University), Andrea Broaddus (Ford Motor Company)
· My role and share of funding: Co-PI (∼18%)

Mobilizing Accessibility in Detroit and Ypsilanti Jan 2018 - Jan 2019

· Amount: $50,000
· Funder: Poverty Solutions University of Michigan
· PI: P. Van Hentenryck (transferred to T. Dillahunt in Aug 2018)
· My role and share of funding: Co-PI (∼50%)

INVITED TALKS, ROUNTABLES, AND WORKSHOPS

Invited Talks

"Machine Learning in Travel Behavior Research." *Transportation Research Board Standing Committee AMS50 Webinar Series*, online, November 12, 2021.

"Do e-scooters fill mobility gaps and promote equity before and during COVID-19? A spatiotemporal analysis using open big data." *UF Biocomplexity Engineering Group Seminars*, October 19, 2021.

"Exploring the potential for public transit and share micromobility integration." *Ford Motor Company Robotics and Mobility Research EMM/SAR Meeting Series*, online, September 30, 2021.

"The effectiveness of parking policies to reduce parking demand pressure and car use." *511NY Rideshare Car Free Day Webinar*, online, September 14, 2021.

"Using big data and machine learning for transportation research." *University of Florida Student Chapter for the Institute of Transportation Engineers*, March 4, 2021.

"The promises and pitfalls of machine learning and big data: Reflectively leveraging data science for transportation planning." *Department of City and Regional Planning, University of North Carolina, Chapel Hill*, November 30, 2020.

"Ridesourcing as a solution to the last-mile travel problem: Evidence from stated preference data." *Next Generation Transportation Systems Seminar.* University of Michigan, Ann Arbor, January 17, 2018.

Panels, Roundtables, and Workshops

"Exploring nonlinear relationships with machine learning." Roundtable (Other panelists include Peng Chen, Tao Tao, and Sadegh Sabouri). *Association of Collegiate Schools of Planning (ACSP) Annual Conference*, virtual, October 7-8 & 21-23, 2021.

"Exploring nonlinear relationships with machine learning." Roundtable (Other panelists include Tao Tao, Kailai Wang, and Wenjia Zhang). *The 15th International Association for China Planning (IACP) Annual Conference*, virtually from Nanjing, China, September 11-12, 2021.

"Extracting travel behavioral insights from black-box machine-learning models." (jointly presented with Xilei Zhao) *Workshop on Machine Learning Methods to Calibrate Integrated Land Use and Transport Models.* Georgia Institute of Technology, Atlanta. June 13-14, 2019.

CONFERENCE PRESENTATIONS

"Do e-scooters fill mobility gaps and promote equity? A spatiotemporal analysis using open big data." *Association of Collegiate Schools of Planning (ACSP) Annual Conference*, virtual, October 7-8 & 21-23, 2021.

"Do e-scooters fill mobility gaps and promote equity before and during COVID-19? A spatiotemporal analysis using open big data." *The 15th International Association for China Planning (IACP) Annual Conference*, virtually from Nanjing, China, September 11-12, 2021.

"Do e-scooters fill mobility gaps before and during COVID-19? A spatiotemporal analysis using open big data." *2021 World Symposium on Transport and Land Use Research (WSTLUR)*, virtually from Portland, Oregon, August 9-11, 2021.

"Evaluating household residential preferences for walkability and accessibility across three U.S. regions." *The 14th International Association for China Planning (IACP) TR-D Special Issue on "Planning for Accessibility" Session*, August 18, 2020.

"Using machine learning for direct demand modeling of ridesourcing services in Chicago." *The Transportation Research Board (TRB) 99th Annual Meeting*, Washington DC, January 12-16, 2020

"Mobility-on-demand versus fixed-route transit systems: An evaluation of traveler preferences in low-income communities." *Association of Collegiate Schools of Planning (ACSP) Annual Conference*, Greenville, SC, October 24-27, 2019.

"The value of accessibility in residential location choice." *The 13th International Association for China Planning (IACP) Annual Conference*, Chengdu, China, June 14-15, 2019.

"The effectiveness of parking policies to reduce parking demand pressure and car use." The Transportation Research Board (TRB) 98th Annual Meeting, Washington DC, January 13-17, 2019.

"The value of accessibility in residential location choice." *Association of Collegiate Schools of Planning (ACSP) Annual Conference*, Buffalo, NY, October 24-28, 2018.

"Integrating ridesourcing services with public transit: An evaluation of traveler responses combining revealed and stated preference data." *The 12th International Association for China Planning (IACP) Annual Conference*, Xi'an, China, June 29-30, 2018.

"Efficiency and equity issues in the use of Chinese Housing Provident Fund: Evidence from seven major cities." *Association of Collegiate Schools of Planning (ACSP) Annual Conference*, Denver, CO, October 11-15, 2017.

"Rethinking agglomeration economies, accessibility, and productivity: the importance of urban form." *Annual Conference of the American Association of Geographers (AAG)*, Boston, MA, April 5-9, 2017.

"Agglomeration economies, accessibility, and labor productivity: Evidence from US regions." *LunchUP Seminar Series*, Taubman College of Architecture and Urban Planning, UM, Ann Arbor, March 17, 2017.

TEACHING EXPERIENCE

Instructor for *Applied Data Science for Civil & Environmental Engineers*, UF Fall 2021
· Teach students the intricacies of data science techniques and their applications to real-world problems
· Classroom is made of 3 undergrads, 4 master's students, and 5 PhD students

Guest Lecturer for *Highway Safety Analysis*, University of Florida Nov 19, 2020
· Presentation title: *Spatial big data applications in travel safety research and practice*

Guest Lecturer for *Transportation Data Analytics*, University of Florida Oct 20, 2020
· Presentation title: *Spatial data analysis and mapping with R*

Guest Lecturer for *Colloquium*, University of Florida Sep 30, 2019
· Presentation title: *Designing and conducting a dissertation research project*

Graduate Student Instructor for *Introduction to Statistics for Urban Planning* Fall 2014
· Rating: 4.73/5
· Worked as a teaching assistant to Prof. Margi Dewar
· Urban and Regional Planning Program, University of Michigan

Teacher for *AP Statistics*, *GRE Vocabulary*, *GRE Writing*, *GMAT Writing* Feb 2012 - July 2013
· Average rating: 4.7/5.0
· Nanjing New Oriental School, China
· Designed these 20-hour-long classes and taught 32 classes and 363 students

Instructor for *Excel Workshop One: Basics* and *Excel Workshop Two: Statistical Analysis* 2015, 2016
· Taubman College of Architecture and Urban Planning, University of Michigan
· Taught these three-hour workshops for two years

Engaged Pedagogy Initiative Fellow Fall 2014
· LSA Community-Engaged Academic Learning, University of Michigan
· Received semester-long training on community-based learning

STUDENTS MENTORED AND SUPERVISED

Current Student Research Assistants
· Lin Su (master's student in Transportation Engineering), Jack Rummler (Senior undergrad majoring in Sustainability Studies), Jason Nguyen (sophomore majoring in Biology)

Doctoral Committees
· Jia Fang (Urban and Regional Planning), Yiming Xu (Transportation Engineering, committee to be formed Spring 2022)

Research Assistants Supervised
@ University of Florida
· Xueyin Bai (URP doctoral student), Liang Zhai (URP doctoral student), In Je Lee (URP doctoral student), Juan Suarez (URP master's student), Julia Salt (URP master's student), Brooke Peters (URP master's student), Andre Soucy (Junior), Jack Rummler (Sophomore)
@ University of Michigan
· Yuan Han (UMich URP master's student), Ali Shahin (Wayne State University undergraduate)

RESEARCH AND PROFESSIONAL EXPERIENCE

Affiliate (Visiting Student) Aug 2018 - Aug 2019
· H. Milton Stewart School of Industrial and Systems Engineering, Georgia Institute of Technology
· Hosted by Pascal Van Hentenryck, Professor of Industrial and Systems Engineering

Graduate Student Research Assistant Sep 2015 - April 2019
· Project 1: "Reinventing pubic urban transportation and mobility"

· Project 2: "From social vulnerability and neighborhood effect to planning: tools for considering social equity in scenario planning"
· Project 3: "A big data approach to understand neighborhood effect in chronic illness disparities"

GIS Analyst May 2014 - Aug 2015
· Environmental Spatial Analysis Lab, School for Environment and Sustainability, UMich
· Project 1: "Enhancing data Sharing via safe designs"
· Project 2: "Mapping child passenger safety need and resources for Michigan's children"
· Project 3: "Examining land use change in the Mennonite colonies, Bolivia"

Research Assistant Feb 2014 - Dec 2014
· Project 1: "Crowdsourcing street beauty: A new method for visual preference survey"
· Project 2: "Open Scenario Planning Tools Group scenario planning curriculum development"

SERVICE AND PROFESSIONAL DEVELOPMENT

Journal/Conference Reviewer
· *Journal of the American Planning Association*, *Transportation Research Part A: Policy and Practice*, *Transportation Research Part D: Transport and Environment*, *Journal of Transport Geography*, *Transport Policy*, *Travel Behavior and Society*, *Journal of Land Use and Transport*, *Housing studies*, *Environment and Planning B: Urban Analytics and City Science*, *Geoforum*, *Sustainable Cities and Society*, *Urban Rail Transit*, *Safety Science*, *TRB Annual Meeting*

Panel Member/Proposal Reviewer
· 2021 The Transportation Research Board (TRB) Transit Cooperative Research Program (TCRP) *Panel member* for Project H-59: Racial Equity, Black America and Public Transportation
· 2021 *Ad hoc reviewer* for National Science Foundation Economics Program
· 2019 *Proposal reviewer* for USDOT Tier-1 University Transportation Center CTEDD

Steering/Organizing Committee Member
· *XPOTENTIAL 2022*, Association for Unmanned Vehicle Systems International (AUVSI)
· *2021 Research-to-Practice Transit Symposium*, University of Florida Transportation Institute

Transit Initiative Lead, University of Florida Transportation Institute 2021 -

Board of Directors Member, International Association for China Planning 2019 -

Urban Planning Representative, Michigan Transportation Student Organization. 2017 - 2019

Volunteer, master's student admissions, URP program, UMich 2017, 2018

Doctoral student representative at faculty meetings, URP program, UMich 2016 - 2017

Committee lead/member, LunchUP weekly seminar series, URP Program, UMich 2016 - 2017

Editor, Agora: The Urban Planning and Design Journal of the University of Michigan 2014

MEDIA

Opinion Pieces

Yan, X. (Apri 5, 2021). Make e-scooters work with transit, not against it. *Greater Greater Washington*. Available at: `https://ggwash.org/view/80884/make-e-scooters-work-with-transit-not-against-it`

Mentions in the Press / Media Coverage of Research

Herbert, Kiran. (May 12, 2021).Xiang Yan wants to make micromobility better. *Better Bike Share Partnership*. https://betterbikeshare.org/2021/05/12/xiang-yan-wants-to-make-micromobility-better/

Ionescu, Diana. (April 8, 2021). How e-scooters can complement public transit. *Planetizen*. Available at: https://www.planetizen.com/news/2021/04/112885-how-e-scooters-can-complement-public-transit

Guest, Greta. (August 28, 2018). Commuters: Ridesourcing could fix public transit. *Michigan News*. Available at: https://news.umich.edu/commuters-ridesourcing-could-fix-public-transit/

COMPUTATIONAL METHODS & DATA SCIENCE TRAINING

- *Neural Networks for Computing* — Depart. of Computer and Information Science and Engineering, UF
- *Database Management Systems* — Depart. of Computer and Information Science and Engineering, UF
- *Transportation Data Analytics (Machine learning)* — Department of Civil Engineering, UMich
- *Clustered and Longitudinal Analysis* — Department of Biostatistics, UMich
- *Spatial Statistics* — Department of Biostatistics, UMich
- *Maximum Likelihood Estimation I: Generalized Linear Models* — ICPSR Summer Program, UMich
- *Quantitative Methods for Program Evaluation* — Ford School of Public Policy, UMich
- *Quantitative Planning Methods* — URP Program, UMich
- *Introduction to Probability Theory and Statistics* — Nanjing University, China

PROGRAMMING LANGUAGE & SOFTWARE

- Proficient: R, Python, SQL, ArcGIS, LIMDEP/NLOGIT, LaTeX, Stata, SPSS
- Working experience: HTML, QGIS, CARTO, SAS, BIOGEME, MATLAB