

YANG YANG

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EDUCATION

2020 - Now	Systems Engineering, Cornell University, Ithaca, NY, USA
2018 - 2020	College of Architecture Art Planning, Cornell University, Ithaca, NY, USA
2016	ETSAB, Barcelona School of Architecture, UPC, Barcelona, Spain
2010 - 2017	College of Architecture and Urban Planning, Tongji University, Shanghai, China

Degrees

Expected in 2023	Ph.D., Systems Engineering, Cornell University, Ithaca, NY, USA
2020	M.S.AAD., Advanced Architectural Design, Cornell University, Ithaca, NY, USA
2017	M.Arch., Architecture, Tongji University, Shanghai, China
2014	B.Eng., Architecture, Tongji University, Shanghai, China

EMPLOYMENT

2021	Graduate Research Assistant, Civil & Environmental Engineering, Cornell University, Ithaca, NY, USA
2019 May-Aug	Teaching Associate, College of Architecture Art Planning, Cornell University, Ithaca, NY, USA
2019 - Now	Graduate Research Assistant, Environmental Systems Lab, Cornell University, Ithaca, NY, USA
2017 - 2018	Junior Architect, Tongji Architectural Design Co., Shanghai, China

PUBLICATIONS

Yang, Y., Samaranayake, S., Dogan, T., 2022. How outdoor thermal comfort influence urban mobility: A comparison between NYC and LA. *Submitted to Symposium on Simulation for Architecture and Urban Design 2022.*

Yang, Y., Samaranayake, S., Dogan, T., 2022. A data-driven mode-distance choice prediction framework to simulate home-based travel patterns in planning and urban design applications. *Environment and Planning B: Urban Analytics and City Science. Under Revision.*

Yang, Y., Li, Y., Kral, K., Hupert, N., Dogan, T., 2021. Urban design attributes and resilience: COVID-19 evidence from New York City. *Buildings and Cities* 2, 618–636. <https://doi.org/10.5334/bc.130>

Yang, Y., Samaranayake, S., Dogan, T., 2020. An Adaptive Workflow to Generate Street Network and Amenity Allocation for Walkable Neighborhood Design. *Proceedings of the Symposium on Simulation for Architecture and Urban Design 2020.* <https://doi.org/10.7298/bmn8-0y37>

Dogan, T., **Yang, Y.**, Samaranayake, S., Saraf, N., 2020. Urbano: A Tool to Promote Active Mobility Modeling and Amenity Analysis in Urban Design. *Technology|Architecture + Design* 4, 92–105. <https://doi.org/10.1080/24751448.2020.1705716>

Yang, Y., Samaranayake, S., Dogan, T., 2019. Using Open Data to Derive Local Amenity Demand Patterns for Walkability Simulations and Amenity Utilization Analysis. Presented at the 37 Education and Research in Computer Aided Architectural Design in Europe and XXIII Iberoamerican Society of Digital Graphics, Joint Conference (N.1), Editora Blucher, Porto, Portugal, pp. 665–674. https://doi.org/10.5151/proceedings-ecaadesigradi2019_627

SCHOLARLY WORK

2021 - Now	Consultant, New York City Department of Transportation (NYCDOT), Healthy Corridors Project.
2021 Sep	Guest Lecture, College of Architecture & the Built Environment, Thomas Jefferson University.

2020 Aug	Consultant, KPF Urban Interface, Urban Mapping Project: NYC Pedestrian Density. https://neighborhoods.kpfui.dev
2020 May	Workshop, Urbano: A Tool to Promote Mobility Aware Urban Design. Symposium on Simulation for Architecture and Urban Design 2020. http://www.simaud.org/2020/call_for_workshops.php
2019 Nov	Live Webinar, Urbano: Mobility Modelling and Simulation in Grasshopper3D, Performance Network. https://www.performance.network/courses/urbano-mobility-modelling-and-simulation-in-grasshopper3d

GRANTS / FELLOWSHIPS / AWARDS

2020	Cornell Atkinson Small Grants Program Annual Funding Recipients
2020	M.S.AAD Award for Outstanding Performance in Architecture
2019	The Mary Miller Lyons Graduate Fellowship in Architecture
2019	NY Upstate Chapter of the American Planning Association Award for Outstanding Student Project
2017	Outstanding Graduates Award
2015	National Scholarship for Graduate Student
2014	Academy Award of the Department