

Shin Bin Tan

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EDUCATION *PhD Candidate (advisor: Mariana C. Arcaya)* September 2017 - Present
Massachusetts Institute of Technology, Department of Urban Studies and Planning

Master in City Planning 2017
Massachusetts Institute of Technology, Department of Urban Studies and Planning

B.A., Sociology with Latin Honors magna cum laude 2007
Wellesley College, MA, USA

PROFESSIONAL EXPERIENCE *Senior Tutor* Sept 2017 - Present
Lee Kuan Yew School of Public Policy, National University of Singapore

Urban Planner 2007- 2015
Urban Redevelopment Authority (URA), Singapore's national land use planning agency

- Part of core team coordinating Singapore's Concept Plan, the national long-term strategic land use and infrastructure plan
- Developed a sustainability framework to guide land-use planning processes at national and district level
- Oversaw the drafting of a cycling master-plan for Singapore's city centre
- Oversaw a 2-year multi-disciplinary, multi-agency consultancy study to develop a sustainability framework and cross-sectoral, integrated strategies for Singapore's Marina Bay district, the future extension of the Central Business District
- Collaborated with local universities on sustainability related research, such as benchmarking against best urban practices of other countries and cities; climatic mapping studies; urban biodiversity etc.
- Carried out in-house geospatial analysis (e.g. travel patterns; accessibility and affordability of food)

PUBLICATIONS Shin Bin Tan & Edward Ti, "What is the Value of Built Heritage Conservation? Assessing Spillover Effects of Conserving Historic Sites in Singapore", *Land Use Policy*, in press.

Shin Bin Tan & Donald Low, "Singapore's Urban Planning and Governance Framework: Re-examining the Mould that Made the City" in Stephen Hamnett & Belinda Yuen (Eds.) *Planning Singapore: The Experimental City, 1st Edition*, Routledge, 2019.

Shin Bin Tan, P.Christopher Zengras, Erik Wilhelm, Mariana C. Arcaya, "Evaluating the effects of active morning commutes on students' overall daily walking activity in Singapore: Do walkers walk more?", *Journal of Transport & Health*, Volume 8, 2018, Pages 220-243, <https://doi.org/10.1016/j.jth.2018.01.002>.

Sarah Williams, Wenfei Xu, Shin Bin Tan, Mike Foster & Changping Chen, “Ghost Cities of China: Identifying Urban Vacancy through Social Media Data” *Cities*, Volume 94, November 2019, Pages 275-285, <https://doi.org/10.1016/j.cities.2019.05.006>

CONFERENCE PRESENTATIONS “Singapore: A Food Paradise For Everyone?” *American Association of Geographers Annual Meeting 2018*

“Obesogenic urban environments: An assessment of socio-spatial disparities in a South East Asian context” *American Association of Geographers Annual Meeting 2019*

AWARDS HONORS GRANTS *National University of Singapore Overseas Graduate Scholarship* 2017-2021
Harold Horowitz (1951) Student Research Fund Award 2019
Bill Mitchell ++ Fund Award 2019
MIT Presidential Fellowship 2017-2018
MIT Fellowship Award 2015-2017
Urban Redevelopment Authority’s Undergraduate Scholarship 2003-2006

SERVICE *Student Editor* 2019-2020
 Projections, MITs Journal of Planning, 2020 Edition: “Practices of Health in Unruly Environments”
Reviewer 2018-present
 Health and Place, Journal of Urban Health

TEACHING EXPERIENCE *Lab Instructor* Fall 2018
 Introduction to Spatial Analysis, DUSP MIT ;
 Workshop on Geographic Information Systems, DUSP MIT

RESEARCH EXPERIENCE *Research Assistant* Oct 2015 - Dec 2016
 Massachusetts Institute of Technology Research Assistant for the following projects:

- Developing a smartphone and web-based platform to help individuals track and manage their carbon footprints across various activity domains
- Identifying ghost cities within large metropolitan areas in China, using Chinese social media data
- Analysing spatial and socio-economic segregation in Chinese cities, using online real estate listings

Research Associate Sept 2013 - May 2015
 Lee Kuan Yew School of Public Policy, National University of Singapore

- Researched and wrote case studies centred on urban public policy issues and dilemmas. <https://lkyspp.nus.edu.sg/our-research/case-studies/all-case-studies>

SKILLS Proficient in R, Python, Stata, MPlus, SQL (PostgreSQL), ArcGIS, QGIS, L^AT_EX, and Adobe Suite (Photoshop, Illustrator, InDesign)
 Working knowledge of web development languages HTML, Javascript, PHP, CSS
 Fluent in spoken and written English and Mandarin