

PHD RESEARCHER

RESEARCH INTERESTS

Machine Learning
Volunteered Geographic Data
Computer Vision
Network-based Learning
Open Source Software

EDUCATION

PhD, Urban Analytics Lab
National University of Singapore
Supervised by Prof. Filip Biljecki

2021 - 2025

Masters of Urban Planning (95th Perc.)
National University of Singapore

2017 - 2018

BSc Real Estate (Hons) w.
Specialisation in Urban Planning
National University of Singapore

2013 - 2017

REFEREES

CHAN Heng Chee
Professor (Former Chair)
Lee Kuan Yew Centre for
Innovative Cities
(PA) yusra_nadzirah@sutd.edu.sg

NEO Harvey
Senior Fellow
Lee Kuan Yew Centre for
Innovative Cities
harvey_neo@sutd.edu.sg

WORK EXPERIENCE

Research Associate
Lee Kuan Yew Centre for
Innovative Cities

2018 - 2021

Lee Li Ming Programme in Ageing Urbanism
Innovative Planning and Design of Age-Friendly
Neighbourhoods in Singapore (NRF-MND)

Programme on Cities and Urban Science
Future of Asian Cities - Citizen Urban Science:
Policy and Practice (MOE)

Programme on Cities and Urban Science
Sociospatial Reconfiguration of the City in a
Post-Covid World (LKYCIC)

SELECTED JOURNAL PUBLICATIONS

Yap, W., Janssen, P., & Biljecki, F. (2022). Free and open source urbanism: software for urban planning practice. *Computers, Environment and Urban Systems*, 96, 101825. <https://doi.org/10.1016/j.compenvurbsys.2022.101825>

Hou, Y., **Yap, W.**, Chua, R., Song, S., & Yuen, B. (2020). The associations between older adults' daily travel pattern and objective and perceived built environment: A study of three neighbourhoods in Singapore. *Transport Policy*, 99, 314-328. <https://doi.org/10.1016/j.tranpol.2020.06.017>

Song, S., **Yap, W.**, Hou, Y., & Yuen, B. (2020). Neighbourhood built environment, physical activity, and physical health among older adults in Singapore: a simultaneous equations approach. *Journal of Transport & Health*, 18, 100881. <https://doi.org/10.1016/j.jth.2020.100881>

TEACHING / SUPERVISION

Teaching Assistant

DEP511 Planning Technologies: Grading and Tutorial Assistance, AY2021 | 2022

Master's Dissertation Co-supervisor

Brian Van Laar, Visiting Scholar (TU Delft), AY2021 | 2022

RELEVANT OVERSEAS EXPERIENCE

Asian Masters of Urbanism Programme
The University of Tokyo

2017

CURRENT AWARDS / SCHOLARSHIPS

NUS PhD Research Scholarship
National University of Singapore

OTHER ACTIVITIES

Journal Review
Geoforum, Journal of Open Source Software