

# Teng Heong Ng

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## CONTACT

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## OBJECTIVE

Seeking a planner position that emphasizes project management, advanced GIS applications, graphic publications, and research.

## WORK EXPERIENCE

Department of Urban and Regional  
Planning, University of Wisconsin-Madison

January 2017 — May 2017

Project Assistant

Assist Prof. Alfonso Morales in developing a graduate level Chicano/Latino Studies and Urban and Regional Planning courses.

Metro Transit, Metropolitan Council

May 2016 — August 2016

Transit Technology Systems Intern/ Urban Scholar

- Audited 270 bus transit facilities in Minneapolis–Saint Paul
- Established an online-GIS database for asset management
- Analyzed performance of Americans with Disabilities Act (ADA) compliant transit facility
- Participated in weekly 10-hour leadership development training that includes Toastmasters International, James P. Shannon Leadership Institutes, leadership round-tables, and council meetings

University Health Services, University of  
Wisconsin-Madison

October 2015 — January 2017

Health Equity Student Assistant

- Led an \$18,000 Ford Foundation project to provide affordable and fresh local produce services to low-income communities in South Madison, WI
- Conducted delivery route suitability analysis, established payment logistic, and conducted five training workshops for 35 volunteers
- Delivered talks in Global Health Conference and conducted five community outreach activities

Department of Urban and Regional  
Planning, University of Wisconsin-Madison

October 2015 — January 2017

Hourly Project Assistant

Assist Prof. Alfonso Morales in two grant applications, one article publication, four GIS mappings, and data analysis of nine farmers markets

PwC Malaysia

March 2015 — June 2015

Associate Consultant in Climate Change and Sustainability Team

- Identified social and environmental impacts and developed sustainability solutions for companies
- Analyzed existing sustainability practices and recommended best practices for improvements
- Ensured compliance of sustainability reports with the latest accredited framework

## EDUCATION

M.S. in Urban and Regional Planning

August 2015 — May 2017

University of Wisconsin - Madison

GPA: 3.71 / 4.00

B.A. in Economics

August 2010 — August 2013

University of Wisconsin - Madison

GPA: 3.48 / 4.00

## SKILLS

- Graphic design: Adobe InDesign, Adobe Photoshop, Adobe Illustrator, SketchUp
- Web/ Interactive map design: HTML5, CSS, JavaScript, Leaflet, Mapbox, Google Chart
- Geo-computing: Python, GDAL, OGR
- GIS application: ArcGIS, QGIS
- Web-based survey: Qualtrics
- Statistical software: SPSS, Stata
- Advanced Spatial Analysis: Kriging, spatial interpolation, neural network, site selection, land suitability analysis, landscape metrics for wildlife habitat, impervious surface analysis

## CLASSES

- Introduction to Regional Planning
- Application of GIS in Planning
- Graphic Design for Cartography
- Planning for Ecological City
- Natural Hazard and Planning Resilience
- Planning and Legal System
- Methods for Planning Analysis
- GIS and Spatial Analysis
- Introduction to Geo-Computing
- Planning Theory and Practices

## PROJECTS/ PAPERS

Planning projects:

- Bike and Pedestrian Planning in City of Monona
- Food security in low income communities in Madison, WI
- Site planning for Dane County Regional Airport

Environmental planning:

- Environmental impacts of frac sand mining industry in Wisconsin

Hazard planning and mitigation:

- Nirattiwongsakorn, N. & Ng, T.H. (2016). Fukushima Daiichi nuclear plant accident.
- Ng, T.H. (2016). NOAA-Nationwide Operational Assessment of Hazards
- Ng, T.H. (2016). Philippines: Challenges and adaptation to typhoon and earthquake

Cartography:

- Parent survey for Biking and Walking to School Website
- Crime and poverty in Chicago Infographic
- Tour de France terrain map
- Andy Warhol pastiche slippery map

GIS:

- Site selection: Potential neighborhood to live in Madison, WI
- Land suitability analysis for single family residential development in Town of Springfield, WI
- Planning Application of 3D Analyst Extension from ArcGIS
- Assessment of Superfund sites and Environmental Justice Issues in Dane County

Paper/ Article:

- Ng, T. H., Morales, A., & Elvey, B. (2017). Food production facilities in University of Wisconsin-Madison. *Metropolitan Universities Journal*
- Ng, T.H., Aley, I., Prusak, S. (2015). Latino workers and employer health benefits in Dane county, Wisconsin
- Ng, T. H. (2015). Strategies and Adaptation of Flood Management in Northeastern United States