

Phannisa Nirattiwongsakorn

CONTACT

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PERSONAL SUMMARY

Urban Planner | GIS Developer | Architect

Urban Planner at the Office of National Economic and Social Development Council (NESDC), Co-founder of Data Science BKK, and Board-licensed Architect (F.A. 16124)

WORK EXPERIENCE

Office of the National Economic and Social Development Council of Thailand

Oct 2017 – Present

Plan and Policy Analyst

- Lead NESDC Policy Lab's Ranong Urban Development Project
- Ghostwrite Thailand 20-Year Strategic Plan's Master Plan on Smart Cities
- Conduct Thailand's SDG Progress Report: 2016 – 2020 using GIS data and satellite imagery to analyze the country's progress of all SDG 11 indicators
- Act as an NESDC substitute representative of National Smart City Committee and Subcommittee
- Review Thailand's urban planning ordinances and policies of different scales before the enforcement

Center for Freight Research and Education (CFIRE)

Jan 2017 – May 2017

Project Assistant

- Co-author the report *A Synthesis of Data Management Practices in the Midwestern Departments of Transportation (Adams et al., 2017)*

Wisconsin Department of Health Services

May 2016 – Aug 2016

Program and Policy Analyst

- Apply LEAN process to Wisconsin Department of Health Services' *Caregiver Misconduct Report and Investigation* protocols and saves approximately \$6,000 annually after the revision

Four Aces Consultants Co., Ltd.

Jun 2012 – May 2015

Project Architect

- Design various types of architectural projects e.g. offices, residents, community mall, and condominium
- Prepare Environmental Impact Assessment (EIA) documentation

LISTED PROJECTS

- **GIS Analyses:** Interactive Map of Shortest Travel Time to the Nearest Hospital in Thailand // Road Orientation of Thai Cities // Thailand's Built-up Areas and

Repeating Floods Visualization

- **Conference Paper:** Impervious Surface Policy Adoption across the US Municipalities and its Relationship to Climate Change Factors using census and GIS data

EDUCATION

M.S. (Urban and Regional Planning)

Sep 2015 – Aug 2017

University of Wisconsin Madison

- GPA: 3.92 / 4.00
- Area of Focus: environmental planning, natural hazard resilience, and GIS applications
- Jessica Bullen Community Service Award of 2017
- Thesis and conference paper: Impervious Surface Policy Adoption across the US Municipalities and its Relationship to Climate Change Factors

B. Arch

May 2007 – May 2012

Chulalongkorn University

- GPA: 3.19 / 4.00
- Area of focus: laboratory design, construction management
- Thesis Topic: An Architectural Design Proposal for the School of Science, Srinakarinwirot University (2012)
- Research assistantship: Laboratory Design Standards in Educational Institutions in Thailand (2009 - 2012)

DATA COMMUNITY BUILDING VOLUNTEER

Co-founder and Co-organizer

Jan 2018 – Present

Data Science BKK

"A no-nonsense, no-agenda meetup for data science in Thailand."

Instructor

May 2019 – May 2019

Thailand ICT Camp 2019

Teaches the basics of spatial data and its applications

Instructor

Nov 2018 – Nov 2018

NESDC's Knowledge Management Workshop

Presents the importance of data in decision making processes using the example of *Travel Time to the Nearest Hospital's Interactive Map* and moderates the workshop exercises

AWARD AND CERTIFICATES

- **Jessica Bullen Community Service Award (2017)**
- **Royal Thai Government Scholarship (2015 - 2017)**
- TOA Design Award 2008 and 2013, Shortlist Round qualified
- Thailand Association for the handicaps's essay competition, 1st runner-up (2008)

SKILLS

Languages: English, Thai, French

Programs and computer languages: Microsoft Office / ArcGIS, QGIS / R, SPSS, STATA / HTML, CSS, Python / AUTOCAD, Google Sketchup / Adobe Photoshop, Illustrator, InDesign

