

NUTVARA JANTARATHANEEWAT

Graduate Student

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PROFESSIONAL EXPERIENCE

DEPARTMENT OF RURAL ROADS

Bangkok, Thailand

Civil Engineer

2016-2022

- Administered the project of developing the “Rural Road Network Management System” database. Monitored the process and inspected the quality of outcomes.
- Established “Office of Road Safety Audit” and revised the “Road Safety Audit Standard in Thailand.” Organized workshop and seminar on Road safety topics.
- Cooperated with international organizations, such as Japan International Cooperation Agency (JICA) and AustRoads, to receive funding or academic assistance.
- Conducted a pre-feasibility study of implementing ITS technology on the rural road network in Thailand.

UNIVERSITY OF NORTH TEXAS

Denton, TX

Internship

Summer 2013

- Assisted with the research “Load Bearing Clip Angle Design of Cold Form Steel.” Arranged tests in laboratories, analyzed raw data to determine bearing capacity and created test labels.

EDUCATION

UNIVERSITY OF WASHINGTON

Seattle, WA

Ph.D. in Civil and Environmental Engineering in Transportation

2022 - Present

UNIVERSITY OF WISCONSIN-MADISON

Madison, WI

M.S. in Civil and Environmental Engineering in Transportation

2017 - 2019

CHULALONGKORN UNIVERSITY

Bangkok, Thailand

B.Eng. in Civil Engineering

2011 - 2015

CONFERENCE

- Jantarathaneewat, N., Liu, C., Yang, H., Chen, Y., Tsai, M., & Wang, Y. 2023, Advancing Automatic Asset Management: An Innovative System for Traffic Sign Detection and Recognition with Monocular Camera. Transportation Research Boards’s 102nd Annual Meeting in Washington D.C., January 8-12, 2023.
- Bamrungwong, C., Soparat, P., Saiprasertkit, K., & Jantarathaneewat, N. 2017, A Study of Applying Mobile Mapping Result for Road Safety Audit on Rural roads in Thailand. The First International Roadside Safety Conference (IRSC) in San Francisco, California, June 12-15, 2017.

AWARDS

- The ASCE UW Presentation Competition, 1st Place – “Using Micro Traffic Simulation for Intersection Improvement” (\$1,000 prize). May 2024
- Runner-Up, Best Innovation Paper – 2024 iCHE Conference “*Detecting Lateral Offset Distance on Rural Roads in Thailand by Using Point Cloud Data: A Case Study*”. September 2024

SKILLS

- Computer Language: Python, SQL, R, C++, MATLAB, Javascript
- Software: PTV Vissim, PTV Visum, PTV Viswalk, ArcMap, Plaxis, MiDAS Civil