

# Nutta Sittirash (Nat)

TRANSPORTATION, CIVIL ENGINEER

Website: <https://natsit.me>

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Nutta Sittirash

Chapel Hill, QLD

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## EDUCATION

August 2022 – June 2024 (full-time)

**M.Sc.** Transport and Geoinformation Technology (full-time), KTH Royal Institution of Technology. Stockholm, Sweden.

June 2012 – June 2017 (full-time)

**B.Eng.** Civil Engineering (full-time), Rajamangala University of Technology Isaan. Khonkaen, Thailand.

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## EXPERIENCE

November 2023 – December 2023

**Data collector & entry.** *Trivector Traffic, Stockholm, Sweden.*

- Working on a parking, inventory, and traffic management project in Farsta Centrum, Stockholm.
- Collecting data, arranging the collected data systematically, ensure its accuracy, and delivered it to the client.

March 2021 – February 2022

**Civil Engineer.** *MAA Consultants Co., LTD., Ratchaburi, Thailand.*

- Working on a railway project: the State Railway of Thailand, Railway Track Doubling Project in the South of Thailand.
- Approving construction drawings, assisting with field inspections, and reporting progress to the project manager and the State Railway of Thailand.
- Verifying bidders' qualifications and recording meeting minutes during price and quality negotiation with the State Railway of Thailand and other authorities.
- Working with a team for tendering and bidding on two other railway projects in the North and Northeast of Thailand, now the projects are under construction in Thailand.

May 2019 – December 2020

**Quality Control Engineer.** *Christiani & Nielsen (Thai) Co., LTD., Saipem PLC., Rayong, Thailand.*

- Developing and applying quality control systems for building reinforce concrete storage tank for the PTTLNG Nongfab Receiving Terminal Project
- Monitoring construction activities and inspecting materials for construction
- Monitoring Request for Information (RFIs), Request for Action (RFAs), and the material testing process, such as rebar strength, welded plates, and strength of concrete
- Submitting all report for quarterly payments.

- Collaborating with clients, consultants, safety team, engineering teams, and contractors to write method statements for construction in the project.
- Managing weekly project meetings and write minutes of meeting to address concerns and demonstrate methods before approval, such as methods for building reinforced concrete tanks for LNG storage. Despite the complexity and detailed nature of the tasks, I successfully managed cooperation with all the sectors, all tasks under my responsibility were completed successfully with zero major accidents.

March 2018 – February 2019

**Estimator.** *T-Engineering PLC., Bangkok, Thailand.*

- Estimate quantities and costs for construction projects, including warehouses and apartments, and providing bills of quantity (BOQ) for bidding and tendering.
- Estimating quantities for reinforced concrete structures and conducting site visits with the bidding team.

September 2016 – February 2018

**Civil Engineer / Student Intern.** *CH. Karnchang PCL., Khonkaen, Thailand.*

- Designing and drawing drainage systems, monitoring box underpass construction, and assessing existing structures for demolishing or maintenance. I began as an intern in the engineering department for the State Railway of Thailand's First Railway Track Doubling Project: Jira Junction to Khonkaen.
- Working part-time while finishing my civil engineering degree. After that, transitioned to a full-time civil engineer role in the construction department, focusing on construction and project management. I was motivated by a supportive manager at the start of my career.

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## PRESENTATIONS AND CONFERENCES

- January 2025. 104<sup>th</sup> Transport Research Board Annual Conference Meeting 2025, Washington DC, click this link to see photos.
  - Co-authored and presented paper 'A Smart card Based Analysis of During and Post-Disruption Impacts on Public Transport Passengers' Travel Patterns' under Emerging Behaviors of Urban Rail Transit Passengers, a lectern session.

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## SKILLS

QGIS and ArcGIS

SketchUp 3D

RailSys

Python for data analysis

Microsoft Office

Microsoft Project

AutoCAD/Civil 3D

Java

R.C. Design (houses)

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## LANGUAGES

Thai, English and Swedish

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## REFERENCES

**Wilco Burghout**

Director Center for Traffic Research. Transport Planning Division

KTH Royal Institute of Technology. wilco.burghout@abe.kth.se , +46 (8) 7908896.