



EDUCATION

MASTER'S DEGREE (2024)

Transport and Geoinformation Technology

KTH Royal Institute of Technology
Stockholm, Sweden

BACHELOR'S DEGREE (2017)

Civil Engineering

Rajamangala University of Technology
Isan, Khon Kaen, Thailand

SKILLS

Data & Analytics: Python (Numpy, SciPy, and Scikit Learn), SQL, MS Excel

GIS & Design: QGIS, ArcGIS, AutoCAD, SketchUp

Project tools: RailSy, MS Project, Microsoft Office

LANGUAGES

English - IELTS 7.0

Thai - Proficiency

Swedish - Elementary

ACHIEVEMENTS

Presented thesis paper, "**Smart-Card Based Analysis of During and Post-Disruptions Impacts on Public Transport Passengers' Travel Patterns**," at the Transport Research Board Annual Meeting (TRBAM) in **Washington, D.C.**, January 2025.

PROFILE

Master's graduate in Transport and Geoinformation Technology from KTH Royal Institute of Technology, Sweden, with a Civil Engineering background and five years experience delivering major railway and infrastructure projects, including track duplication and LNG terminal construction. Skilled in quality control, construction drawings, project monitoring, and multidisciplinary coordination. Proficient in transport planning and data analysis (AFC, AVL, GTFS). Presented Master's thesis at TRB 2025 in Washington D.C., analysing multimodal passenger impacts of an unplanned rail disruption in Stockholm. Passionate about advancing sustainable and efficient transport systems.

WORK EXPERIENCE

DATA COLLECTOR AND ENTRY

Oct — Nov 2023 (Part-time)

Trivector Traffic, Stockholm, Sweden.

- Collected and recorded vehicle license plate data in designated parking zones at Farsta Centrum Shopping Center to analyse parking occupancy rate.
- Registered license plate numbers into databases to identify visitor origins and delivered validated datasets to the client.

OFFICE ENGINEER (ON-SITE)

Mar 2021 — Feb 2022

MAA Consultants Co, LTD. Ratchaburi, Thailand.

The State Railway of Thailand's Nakhon Prathom to Hua Hin Track Duplication Project (Southern Thailand)

- Verified and approved contractor construction drawings for railway infrastructure.
- Conducted and assisted in field inspections to ensure compliance with project specifications prior to drawing approval.
- Estimated quantities of railway structures for omission works in variation orders.
- Monitored and reported weekly and monthly construction progress, including track works, to the project manager and client.
- Evaluated tender documents and assessed bidders' qualifications for new railway projects (Northern & Northeastern Thailand)
- Prepared meeting minutes during price and quality negotiations, supporting finalisation of BOQs between the client and bidders.

WEBSITE

<https://natsit.me/>

Thesis Project, Master's Degree

<http://kth.diva-portal.org/smash/get/diva2:1883920/FULLTEXT01.pdf>

LICENSE

- Associated Engineer in Civil Engineering.
License registration number: Phor Yor ภย.71817 by Council of Engineers Thailand.
 - Stage 1 Competency Assessment with Engineers Australia is in process.
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REFERENCES

Available on request

QUALITY ASSURANCE ENGINEER (ON-SITE)

May 2019 — Dec 2021

Christiani & Nielsen (Thai) Co., LTD., & Saipem PLC. Rayong, Thailand.

The PTTLNG Nongfab Receiving Terminal Project in Rayong, Thailand

- Developed and implemented quality control plan for LNG tanks (Civil Works), including the Inspection and Test Plans (ITPs) in accordance with ISO 9001, ACI 318, ASTM, AASHTO, and national standards.
- Developed and implemented quality control plan for LNG Tanks (Mechanical Works), including ITPs aligned with API Standard 620, ASME, and NFPA requirements.
- Conducted inspections and testing of civil and mechanical materials, including concrete, rebar, welds, steel plates, corrugated ducts, and strand wires for post-tensioned concrete, etc., across site works, laboratories, and production facilities.
- Organized and monitored Request for Information (RFIs) and Request for Approval (RFAs) for construction activities; supervised compressive strength testing of concrete cylinders at 7 days and 28 days.
- Prepared and implemented method statements for LNG tank wall construction; presented methods to clients, obtained approval, and collaborated with the construction team to demonstrate techniques on site.
- Enhanced construction techniques in method statements to increase efficiency, enabling the construction team to recover delays and restore productivity to schedule.
- Attended weekly coordination meetings with clients and the construction team to report progress, address issues, and resolve technical challenges.

ESTIMATE ENGINEER (HEAD OFFICE)

Jul 2018 — Jan 2019

T-Engineering PLC., Bangkok, Thailand.

- Prepared cost estimates and bills of quantities (BOQs) for construction projects, including warehouses and apartment buildings, to support bidding and tendering processes; conducted site visits with the bidding team to inspect field conditions and verify quantities.

OFFICE ENGINEER (ON-SITE)

Aug 2016 — May 2018

CH Karnchang PCL. & CKCH Joint Venture. Khon Kaen, Thailand.

The State Railway of Thailand's Jira Junction to Khon Kaen Track Duplication Project

- Designed and prepared drawings for railway drainage structures (railway openings), including methods to connect new works to existing structures; designs were approved by consultant and successfully implemented on site.
- Designed drainage layout plans for 18 railway stations; conducted field inspections to verify invert elevations and outlet directions; designs were approved by consultants and implemented on site.
- Collected and verified data on existing structures against the project contract; provided technical solutions for structures with technical issues and prepared variation orders for omission works.
- Monitored weekly and monthly construction progress, conducted field inspections to verify completed work, and tracked timelines and deadlines using Microsoft Project; coordinated with subcontractors and submitted progress reports to consultants for payment approval.