

SOPANHA YIM

Structural Engineer

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Address: (Asian Institute of Technology) Khlong Nueng, Khlong Luang District, Pathum Thani 12120

Profile: As a recent graduate in structural engineering, I'm eager to apply my knowledge to real-world challenges. Seeking entry-level opportunities in Structural Engineering to develop practical skills.

EDUCATION

Suranaree University of Technology (SUT)

2018 - 2022

Bachelor of Civil Engineering International Program

Asian Institute of Technology (AIT)

Aug 2022 – May 2024

Master of Engineering in Structural Engineering

PROFESSIONAL EXPERIENCES

Internship at Saitharn House Co,Ltd (Site Foreman)

March – July 2021

- Responsible for site engineering work.
- Worked on cost estimation and structural design.

Senior Design Project (Bachelor's Degree)

2021 - 2022

Topic: Design of an 8-Floor RC Condominium

- Team leader of the design project and be responsible for all structural member design from the superstructure to the substructure using **Thai Code (EIT)**
- Verify the manual design to ETABS design and work on cost estimation using BIM.

Master Thesis (Master's Degree)

2023 - 2024

Topic: Effect of Using Concrete Belt Wall in Flat Slab-Shear Wall for Tall Buildings in High Wind and High Seismic Region

- Design of 50-story high-rise building that is loaded to high wind and high seismic conditions, using **ACI 318-19** for RC design and **ASCE 7-16** for wind design.
- Evaluate the **nonlinear structural performance** of the Shear Wall-Frame Model and Flat Slab-Shear Wall Model using **Performance-Based Seismic Design (PBD)** using ETABS.
- Study the cost effectiveness of structural models.

COMMUNITY PROJECTS

Participant/Staff - Global Project-Based Learning (gPBL)

2019/2022

Staff - Seismic Performance of the Building Model Competition

2022

- The competition is to study the wood model performance using shaking table.

ACHIEVEMENT AND AWARDS

Fully Funded Scholarship of Bachelor's Degree in Civil Engineering, SUT July 2018

- Royal Scholarship under Her Royal Highness Princess Maha Chakri Sirindhorn Education Project

First Class Honors (GPAX = 3.76) of Bachelor's Degree in Civil Engineering, SUT 2018

First Class Honors (GPAX = 3.86) of Bachelor's Degree in Civil Engineering, SUT 2019

First Class Honors (GPAX = 3.80) of Bachelor's Degree in Civil Engineering, SUT 2020

First Class Honors (GPAX = 3.81) of Bachelor's Degree in Civil Engineering, SUT 2021

Fully Funded Scholarship of Master's Degree in Structural Engineering, AIT 2022

- Loom Nam Khong Pijai (Greater Mekong Subregion) Scholarship

LANGUAGES AND SKILLS

Languages: English (Fluent), Khmer (Mother Tongue), and Thai (Fluent)

Hard Skills:

- CSI ETABS and CSI SAP2000
- ADAPT PT/RC and ADAPT Builder
- Autodesk AutoCAD, Autodesk REVIT, and SketchUp
- Microsoft Word, Microsoft Excel, Microsoft PowerPoint and Canva
- Photography

Soft Skills:

- Fast Learning and Active Listening
- Self-Development
- Problem-Solving
- Time Management
- Leadership

REFERENCES

Dr. Naveed Anwar (Thesis Advisor at AIT)

Email: nanwar@ait.ac.th

Assoc. Prof. Dr. Sittichai Seangatith (Associated Professor at SUT)

Email: sitichai@sut.ac.th