

THANAMIN KRERKRATTANASET



CIVIL ENGINEER AT THE MAHIDOL UNIVERSITY



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Bangkok, Thailand

EDUCATION

Mahidol University , Nakhon Patthom Thailand

Bachelor's Degree in Civil and Environmental Engineering
2018-2021

- GPAX: 3.46/4.00 (**Second-Class Honors**)
- Capstone Project (Bachelor's Project Design): Design of substructure and construction sequences for deep excavations in urban areas located in Sathon with a special advisor from Stonehenge Inter Public Co., Ltd.
- Assistant Master's degree students in research about concrete mix used in bored piles with cooperation from 3 companies including SEAFCO, Elkem and Siam
- Be a member of the Football Club in the Faculty of Engineering.

TRAINING CERTIFICATE

- Institution: Thailand Concrete Association
Design of concrete structures based on ACI318-19
- Institution: The Engineering Institute of Thailand
Design of connection and construction of prefabricated steel structure members.
- Institution: TSEA
Earthquake-Resistant Design of Structures.
- Institution: Chulalongkorn University
Contract Management Principle.

LANGUAGES

- Thai (Native)
- English (Good) **TOEIC 800** (Listening 425 Reading 375)

COMPUTER SKILLS

- Basic Programs
 - Microsoft Office (Word, PowerPoint and Excel)
- Civil Engineering Programs
 - ETABS
 - PLAXIS 2D&3D
 - SAP 2000
 - Revit
 - SAFE
 - SUT Structor
 - CSI COLUMN
 - Basic C-Language (CodeBlock)
 - AutoCAD

SOFT SKILLS

- Problem-solving skill.
- Willing to learn new things.
- Strong communication and teamwork.
- Time management.
- Cultural awareness.
- Able to work under pressure with a good attitude.

- Have a License for Professional Practic (Associate Engineer).
- Have a driving license. (Own car)
- Military Status: Exempted because of finished military service training of territorial defense course.

ENGINEERING SKILLS

- Able to create a model and design structures with consideration for use and in accordance with the architectural plan.
- Able to review geotechnical data such as soil boring log test and dynamic load test.
- Knowledge of using international code and Thai codes such as ACI, AISC, ASCE, มยผ.
- Have an understanding of practice and theory.

EXPERIENCE

Design Engineer

RITTA CO., LTD

2022 - Present

- **Steel**
 - Designed a roof and canopy by using PEB steel and composite steel.
 - Designed steel connections (welding and bolted connection).
 - Designed scaffolding and protection building in various projects.
 - Designed supports precast facade walls for high-rise buildings.
 - Designed a dog-leg stair Steel and checked Frequency.
 - Design a cantilever beam to support scaffolding.
- **Reinforced Concrete**
 - Designed a turnkey luxurious house 3-story.
 - Created and Analyzed a model of a high-rise building by using ETAB.
 - Designed a flat slab and combined footing by using SAFE.
 - Designed precast concrete system including columns, stairs, and walls.
- **Foundation & Soil**
 - Designed strap beams, footing, and piles of a high-rise building.
 - Solved the problem of deviation piles.
 - Designed and checked the displacement of soil protection systems including sheet pile, L-sheet pile, pile wall, and bracing.
- **Drainage systems**
 - Designed a drainage system of the factory (Area: 168,560 m2) by using RCP and Box Culvert.

Site Engineer

ALTEMTECH CO., LTD (Contractor company is a specialist in soil protection systems)

2021 - 2021

- Assigned to plan and supervising basement construction according to the schedule plan and engineering principles. Project scale 17,098 m2, 4 layers of excavation (-7.00 m.)
- Coordinate with all relevant parties to complete the work on time.
- Inspect weld by PT test and perform preloading.