

## **WARATHEP CHUENJAI**

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I am a civil engineer who is passionate about structural design and construction work such as steel structural design, building design, and construction planning. Demonstrated over one year of dedicated experience in a construction company and research in civil engineering structural analysis.

### **Objective Statement:**

Seeking a position as a Structural Engineer, using my experience to design and analysis the structural of civil structures, such as buildings, architecture, houses, and bridges.

### **Personal Attributes :**

- Ability to work effectively as a team.
- Accuracy and attention to details.
- Good problem solving and analytical skills.

### **Educations :**

2018 – 2020 Bachelor's degree of Civil Engineering. King mongkut's University of Technology Thonburi.

Relevant modules include: Fundamentals of Civil Engineering such as concrete design, wood and steel design, surveying, soil, foundation, and construction management.

2016 – 2017 Bachelor's degree of Engineering at KMUTT Residential College. King mongkut's University of Technology Thonburi Ratchaburi Campus.

Relevant modules include: Fundamentals of Engineering such as materials, chemical, calculus mathematics, manufactory, social science, researching and most of the activities society.

2014 – 2016 Sciences and Mathematics Program of high school at Kanthalalak Wittaya School.

### **Relevant Work Experiences :**

2020 – 2021 **Construction Staff / Civil Engineer**, Thai Obayashi Corporation

- Temporary work design and planning such as tower crane footing, steel beams, retaining wall.
- Review plan, specifications and document of projects.
- Supervision of site works, including formwork, reinforcement bar, concreting and finishes.
- Responsible in monitoring the quality of work. Conduct on-site observation and check the quality of work, materials and other for consistency with the contract document.

## Key skills

### Engineering Programs:

AutoCAD / SketchUp / Autodesk Revit / Sap2000 / ETABS / Tekla Structural Designer

### Activities and Awards:

2020      **ASRS Design and Verification.** Thesis project about cold-formed steel design has been entered in SSI for Young Engineers 2020.

ASRS Automated Storage and Retrieval System is a new automatic storage system in Thailand. Cold formed steel is the main cost of the ASRS project. The objective of this research is to analyze used rack structure by the SAP2000 program. Then develop the cold form section properties calculation program and verification program. Finally, rate this section efficiency and develop a new section that has more efficiency than the old section.

2019      **Building design project.** BIM course of civil engineering in the 4th year of bachelor's degree.

This course will analyze and design reinforced concrete building using Tekla Structural Designer. The course provides a building design experiment. It will cover the modeling, analyzing, and designing. From drawing grid to generating reports and drawing.

2018      **Field Practice on Topographic Surveying** at Khao Yai National Park Survey course of civil engineering in the 3rd year of bachelor's degree.

Students will be divided into groups. Each group was about 5-6 people. We were work in the field to get a topographic map in the assigned area. Each day, I have to pick up the tools at the specified time. Works and meets the course advisor in the evening. I was reporting on the progress of the work done results, problems encountered, and plans for the future. Finally, we design the building location of the assigned area.

2017.      **Wind turbine design and construction project.** Manufacturing course of engineering program in the 2nd year at KMUTT Residential College.

I've been assigned a project in the manufacturing course. The course assigned to build a wind turbine that can actually work. I started learning from designing by computer programs such as SketchUp, AutoCAD, and 3D printer. I have practiced planning work, meeting training, and manufacturing. The manufacturing course was including welding, cutting, and electrical circuit in this project.

### Interests:

Passionate in architecture, building, houses, landscape, urban design, and engineering work. Enjoy traveling and engaging with different cultures.