

# CHOTIMAN YUKPAN

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## EDUCATION

COLORADO STATE UNIVERSITY | Fort Collins, CO

Expected May 2021

**Master of Engineering, Civil – Structural Engineering** (Current GPA: 3.878/4)

Relevant coursework: Design of Masonry and Wood Structures, Wind Engineering, Bridge Engineering, Principles of Structural Load Modeling (Based on ASCE7), Coastal Engineering, Fundamentals of Vibrations, Finite Element Method, Advanced Mechanics of Materials

MAHIDOL UNIVERSITY | Nakorn Pathom, Thailand

2014 – 2018

**Bachelor of Engineering, Civil and Environmental Engineering** (GPA: 3.23/4)

Honors & Activities: Top 3 candidates for Best Senior Project Award of Department

Vice President of “Mahidol Traditional Freshmen Orientation” group, 2015-2018

Participant in “Rotaract” Volunteer Club, 2015-2018

Relevant coursework: Timber and Steel Design, Reinforced and Prestressed Concrete Design, Concrete Technology, Bridge Design, Soil Mechanics and Foundation Engineering, Structural Analysis

## WORK EXPERIENCE

SANSIRI PUBLIC CO., LTD | Bangkok, Thailand

June – July 2017

**Site Engineer (Internship)**

Hired as a site engineer intern in a 500-home real estate development project to oversee assigned houses from constructing foundation to the final inspection and handover to the customer

- Coordinated between contractors and consultants
- Controlled quality and construction time of assigned houses
- Assisted Project Manager adjusting the plan for upcoming project at the site

## IN-CLASS DESIGN PROJECTS

COLORADO STATE UNIVERSITY

**Lateral Displacement on Different Bracing Systems in Steel Buildings based on ASCE7 Standards** (*Wind Engineering*)

Modeled and analyzed using SAP2000 for 7-stories steel building subjected to wind pressures in accordance with the ASCE7-16 design manuals for 3 different types of bracing systems: Moment-resisting frame, Cross-bracing, and Chevron-bracing steel building.

- Calculated wind pressures in accordance with ASCE7-16 standards and also taking the flexible gust effect factor for flexible buildings into account
- Examined and compared each story’s lateral displacement and base shear for each type of bracing system

**Pedestrian Overpass Design** (*Intermediate Structural Analysis*)

Analyzed and inspected the existing overpass using SAP2000 software to evaluate the structure’s responses such as axial and reaction forces, deformations, and serviceability limit.

**Steel Skywalk Design** (*Bridge Design*), MAHIDOL UNIVERSITY

Team project focused on designing skywalk subjected to required dead, live, and basic wind load combination to determine the appropriate steel and concrete sections for the skywalk using AutoCAD and ETABS, and verified the model with hand calculation.

## PROFESSIONAL SKILLS

- **SAP2000:** Accumulated over 200 hours of using the software through related in-class design projects
- **Autodesk Revit:** Received Intermediate Level Certifications from Udemy.com (8-hrs of Lesson and 20-hrs of practicing)
- **AutoCAD and ETABS:** Experienced through internship and design projects

## ENGINEERING LICENSES

**License for Professional Practice, Associate Civil Engineer** Level, COUNCIL OF ENGINEERS THAILAND (2019-Present, #72593)