

Lý Huỳnh Duyên

HCM , Vietnam

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OBJECTIVE

- Major in civil engineering with knowledge of a variety of engineering aspects. Professional presence with the ability to work and study independently with very little supervision. A motivated individual committed to delivering the highest quality service in challenging environments and always willing to learn new things and work experiences. Focused on using analysis and designing building structures.
- Perform analysis and design of structural systems for all types of buildings and materials using various building codes (TCVN, Eurocode, ACI)
- Linkedin: <https://www.linkedin.com/in/l%C3%BD-hu%E1%BB%B3nh-duy%C3%AAn-12693023a/>
- Facebook: <https://www.facebook.com/duyen.ly.1401/>

WORK EXPERIENCE

❖ SIMPSON Strong-Tie

April 2022 - September 2022

Structural Engineer - FRP strengthening

- Receive projects from US to strengthen for almost structural elements in the building
- Analyze all forces affect elements, then give solutions to strengthen the building
- Use Excel to calculate and take off materials/prices, AutoCAD to draw shop drawing

SKILLS

Language	English: good at 4 skills
Software	Etabs, AutoCAD, Revit, SAP2000, SAFE, MS Excel, MS Word, MS PowerPoint

EDUCATION

❖ Hồ Chí Minh Bách Khoa University

Oct 2018 - May 2023

Major: Civil Engineering (international program - study 100% by English)

GPA: 8.21/10

❖ VietCons Education Institute

Course: Civil Engineering Knowledge Review

Review all knowledge: Strength of Material, Soil Mechanics, Reinforce Concrete Structures, Foundation, building a complete Capstone Project, Software: Etabs, SAP2000, SAFE, AutoCAD

❖ Bach Khoa BIM Labs

Course: Revit Structural

CERTIFICATIONS

IELTS Certificate with score 6.0	2021
ETABS - Analysis and Design of Tall Building StructureAutodesk Revit & AutoCAD - online course for intermediate level	2022
Revit Structural - by Bach Khoa BIM Labs	2022

PROJECTS

Final Year Capstone Project - Design Thiên Hòa apartment
(2022 - 2023)

Customer	none
Description	Apartment building with 15 floating floors, analysis architecture solutions and technical solutions
Team size	1
My position	Implementer
My responsibilities	- Determine the internal forces of the space frame and some typical components, and calculate of reinforcement arrangement for slabs, beams, columns, stairs, and foundations. - Design the shaft frame foundations by bored pile foundations
Technologies used	Etabs, SAP2000, SAFE, AutoCAD

Analysis and design of a real-life high building structure museum in Ho Chi Minh City

(2021 - 2022)

Customer	Stimulation Project
Description	- Link demo: https://www.youtube.com/watch?v=A797_GBGssk
Team size	1
My position	Implementer
My responsibilities	define and assign beams, column, slab, wall, materials, load combination (wind load, earthquake), flexural design, calculate the center of mass and rigidity
Technologies used	Etabs

Strengthening for Bird Rock Cafe in San Diego

(June 2022 - September 2022)

Customer	US customer
Description	Shear strengthening of walls with FRP (fiber reinforced polymer)
Team size	2
My position	Design and Take off
My responsibilities	- General calculation forces for wall shear strengthening using ACI code - Determine the number of strips applied on the building surface
Technologies used	Excel templates, AutoCAD

HONORS & AWARDS

High GPA university scholarships	2018 - 2022
Top 10 of Soft skill Presentation Contest	2018

INTERESTS

There are a variety of hobbies and interests that fill my spare time. I love working with computers in different capacities and teaching myself on the Internet. And also I build a routine of reading books as a way to relax and widen my horizons.