

CURRICULUM VITAE

Quynh Nhu NGUYEN THUY

Position Structural Engineer

Current Location Ho Chi Minh City, Vietnam

Nationality Vietnamese

Date of birth 31 May 1996

Marital status Single

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EDUCATION

Civil Engineer degree – Option: Civil and industrial building - University of Ton Duc Thang – Ho Chi Minh City Campus, 2014-2019.

SOFTWARE

- Structural Analysis:
CSI software (SAFE-ETABS), Autodesk Software (Robot), Abaqus/Ansys, GEO5, Plaxis 2D, IDEA StatiCa, Hilti, Dlubal RFEM, Staad Pro, Graitec Arche – Advance Design, Oasys, RAM Connection
- Detailing Software: AUTOCAD, Revit Structures, SketchUp
- Others: API Revit/Robot, SAP2000 ,ETABS,SAFE

KEY QUALIFICATIONS

- The ability to work in a variety of material structures.
- Structural design: detail design and other civil structures.
- Working experience in drawing using 2D and 3D modelling.
- Learning and adapting to all high-intensity knowledge.

CERTIFICATIONS

- Autodesk Certified Professional: Revit for Structural Design Exam Prep
- Autodesk Revit & Robot Structural Analysis + Sheets + BOQ
- Advanced Diploma in Design of Steel Structures
- BIM Fundamentals for Engineers
- Engineering Mechanics
- Etabs & Safe: Advanced Course For RCC and Steel Structures
- Finite Element Analysis Convergence and Mesh Independence
- Foundation of Structural Dynamics
- Retaining Walls Analysis & Design
- Staad Pro Professional Course
- The Comprehensive Etabs Professional Course (RCC and Steel)
- Wood Science
- Data Structures and algorithm
- Database Systems
- Computer Science

LANGUAGES

	READ	SPOKEN	WRITTEN
English	Excellent	Medium	Excellent
Vietnamese	Native language	Native language	Native language
French	Basic	Not Yet	Not Yet

PROFESSIONAL EXPERIENCE

(6/2025 - present)

Arup Viet Nam Limited **Structural Engineer**

Main responsibilities:

The tasks corresponding to the role of **Structural Engineer - Grade 3** are as follows:

- 7 years relevant working experience.
- Charge of structure calculation.
- Coordination (ARCH- MEP - STRUCTURE)
- Learning others to adapt practical projects.
- Perform in-depth analysis when required.
- Check technical analysis modelling (Etabs, Safe).
- Carry out detailed structural design and optimization
- Prepare structural design reports: stability building; RC slab, beam, column, wall, lintel; steel structure - detail connection

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(10/2022 - 06/2025)

Pontech JSC – Ho Chi Minh City, Viet Nam **Structural Engineer**

Main responsibilities:

The tasks corresponding to the role of **Structural Engineer** and Team leader are as follows:

- Receive new project information from the technical CEO, review the details.
- Charge of structure calculation.
- Learning others to adapt practical projects.
- Perform in-depth analysis when required.
- Check technical analysis modelling (Robot, OMD, Etabs, Revit).
- Carry out detailed structural design and optimization
- Prepare structural design reports

BEMACO Project (Pre-cast concrete structure)

Introduction: BEMACO is a project of precast concrete structures similar to industrial houses

Main responsibilities:

- Deploying Pre-cast column structure details
- Deploying Pre-cast beam structure details
- Deploying Pre-cast slab structure details
- Deploying Pre-cast panel structure details

NEOM Project (Concrete structure)

Introduction: Neom is a large urban development project initiated by Saudi Arabia, aimed at building a modern, sustainable, and carbon-neutral city. The project is located in the border region between Saudi Arabia, Jordan, and Egypt, covering a total area of approximately 10,230 km². Neom is expected to become a hub for technology, tourism, and research, with futuristic cities like "The Line" – a 170 km long urban area with no cars, relying on AI technology for operation. Neom also encompasses sectors such as renewable energy, healthcare, and eco-tourism.

Main responsibilities:

- Calculate internal forces and arrange reinforcement for beam, plate elements.
- Stress verification in Service stages for slab and wall
- Crack width verification in Service stages for slab and wall
- Perform structural analysis under the influence of racking
- Determine the reinforcement ratio for each type of structural member
- Compare the consistency between the calculation sheet and the BOQ

LA MAISON LVMH Project (Steel structure)

Introduction: the project phase of the tower and as part of the execution studies for the restructuring of the former Museum of Popular Arts and Traditions.

Main responsibilities:

- Calculate castellated and cellular beam structure capacity (check strength & deflection)

ONE MORCEAU Project (Steel structure)

Introduction:

The existing building was constructed in the 1970s. This lot includes 7 floors of superstructure with an extension at R+8 for technical premises, and 4 levels of infrastructure. The building was partially rehabilitated in 1999. Patios and an interior street with a glass roof were added to bring light into the "blind" space beneath the garden at the ground floor level.

- Main responsibilities: model check, structure calculation and design report
- Check and verify structure capacity

GRIGNY Project (Concrete – Steel - Wood structure)

Introduction: The future educational centre brings together several structures that are involved in support and monitoring

Children from Grigno:

- A nursery school with 7 classes,

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- An elementary school with 13 classes,
- A local reception for extracurricular activities,
- An early childhood structure with 20 cribs,
- The offices of the Academic Inspectorate of National Education (IEN),
- The Maternal and Child Protection Service (PMI) of the Grigny 2 district.

Main responsibilities:

- Modelling with multiple blocks and different materials
- Modelling Revit & coordinate Arch-Struc
- Check and verify structure capacity

TETEGHEM Project (Concrete – Steel - Wood structure)

Introduction: This project is part of the structural studies of the APD phase of the construction project of the CIS Dunkirk in the municipality of TETEGHEM (59). The purpose of this project is to describe the general assumptions used for the design of structures.

- Main responsibilities: model check, structure calculation and design report
- Check and verify structure capacity

ESCP Project (Concrete – Steel - Wood structure)

Introduction: The project focuses on renovating and expanding the ESCP BUSINESS SCHOOL campus located at 79 avenue de la République in Paris. The goals are to increase student capacity, improve teaching conditions, and modernize the facilities.

Main responsibilities:

- Model check (load take down)
- Check floor vibration.
- Check frequency solid model.

CHARENTON Project (Concrete structure)

Introduction: The project focuses on renovating. The work reinforces the structure and at the same time demolishes part of the existing structure

- Main responsibilities: Model check (load take down)
- Check and support reaction

BESSANCOURT Project (Concrete structure)

Introduction: The project involves the development of the ZAC des Meuniers in Bessancourt. This operation consists of the construction of three residential buildings. These buildings will be R+3 with a shared basement level extending under the entire superstructure. It is worth noting that a portion of the planned basement will extend beyond the footprint of the buildings (in a low-load area).

Main responsibilities:

- Check model & handle local meshing at the top of column

VLGREEN SICRA Project (Concrete structure)

Introduction: It's about building 10 buildings (named L1 to L10), residential units, and ground floor activity spaces for the project owner COGEDIM. There's a landscaped area planned in the heart of the block called "La coulée verte." The L1 to L10 blocks are made of reinforced concrete and are separated by expansion joints.

Main responsibilities:

- Modelling & checking OMD model (4 blocks)
- Calculate, sketch rebar and check detail drawings

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(08/2020 - 08/2022) **Lotus Asean Ltd.Co**
Junior Structural Engineer

Main responsibilities:

BIM structures coordination & Structures – Design reports

THANH LONG BAY PROJECT VERIFICATION (30 FLOORS – 7 BLOCKS): CONCRETE STRUCTURE

- Overlaying provided arch & structure dwg (coordination) .
- Find out match or not match between arch & structure
- Preparation for design report.
- Modelling the building independently and check technical modelling (analytical links & nodes => export Etabs)
- Calculation to verify structure
- Modelling according to technical manager to show structure solution towards clients

MORPHEUS HOTEL: STEEL STRUCTURE

- Overlaying provided arch & structure dwg (coordination)
- Modelling detail design (steel structure and connections)

KGV SCHOOL: CONCRETE STRUCTURE

- Only drafting and preparation for detail drawings from client's comments

LONDONER: STEEL STRUCTURE

- Only drafting and preparation for detail drawings from client's comments

DAMEN WORKSHOP: STEEL STRUCTURE

- Modelling the building independently and check technical modelling (analytical links & nodes => export Robot)
- Calculation to verify structure

ORGANIC WATSE TREATMENT TANK: STEEL STRUCTURE

- Modelling the building (lattice towers structure)
- Structure calculation to verify
- Make design reports

ADMIN BLOCK: STEEL-CONCRETE STRUCTURE

- Modelling the building
- Structure calculation to verify
- Make design reports

(03/2019 - 01/2021) **Daeil Aqua Ltd.Co**
Cad Draftman

Main responsibilities:

Receiving cooling tower general arrangement drawings and deploying detail drawings

- Preparation for detail design drawings of **FRP** structure
- Preparation for detail design drawings of **Concrete** structure
- Preparation for detail design drawings of **Steel** structure
- Preparation for detail design drawings of **Wood** structure