

## PROFILE

Licensed Civil Engineer and Structural Engineer specializing in steel and RC buildings, with proven experience in high-rise, residential, and commercial projects. Proficient in advanced analysis software (Midas Gen, STAAD, ETABS, Revit) and code compliance (NSCP, AISC, ACI, Eurocode). Strong background as a civil engineering instructor, recognized for simplifying complex design concepts and mentoring future engineers. Certified Safety Officer, ensuring structural integrity with safety-first design solutions.

## WORKING EXPERIENCE

### STRUCTURAL ENGINEER | POWERWIDE DEVELOPMENT AND MANAGEMENT CORPORATION | JANUARY 2025 - PRESENT

- Delivered complete structural design packages (analysis, drawings, technical specifications) for projects including a 10-story steel commercial/condominium building, 4-story residential, 3-story residential with roof deck, and warehouse structures, ensuring compliance with NSCP, AISC, and ACI codes.
- Designed specialized structures such as LED sign boards and resort facilities, integrating structural safety with cost-efficiency. Conducted retrofit assessment and recommendation reports for a 2-story commercial building using SeismoBuild, improving seismic resilience and extending building life cycle.
- Performed end-to-end workflow from structural modeling and analysis (MIDAS Gen, MIDAS GTS NX, Design+) to connection & foundation design (RAM Connection, IDEA StatiCa, RAM Concept) and final documentation & detailing (AutoCAD).
- Collaborated with architects to deliver safe, efficient, and constructible designs under tight deadlines.

### COLLEGE INSTRUCTOR | COLEGIO DE SAN JUAN DE LETRAN | AUGUST 2023 – DECEMBER 2024

- Taught and mentored 200+ civil engineering students in structural design and analysis, integrating software training with industry practices.
- Familiarity with national code (NSCP) and international codes such as AISC 360, ACI-318, and Eurocode, ensuring alignment with industry standards and best practices.
- Demonstrated to college students how to perform structural analysis of different structures such as low to high-rise building and bridges using different software such as Midas Software (Midas Gen/nGen, Civil, Soilworks, Design+), Staad Pro/Pro Connect, RCDC, MATHCAD, and ETABS.

### ESTIMATOR (PART-TIME WFH) | BOLD ESTIMATION (US BASED) | JULY 2024 – DECEMBER 2024

- Performed takeoffs of drywall, metal stud, painting, and insulation of multi-family, restaurant, hotel, and residential residences with varying level of details with compliance to the local code in the US building code using Bluebeam and Planswift software.
- Prepared bill of materials and cost estimates using excel.

### GEOTECHNICAL ENGINEER (PART-TIME WFH) | GEOPRO CONSULTING LTD (CANADA BASED) | JUNE 2023 – MARCH 2024

- Conducted geotechnical investigations and analyses using advanced software tools such as Gint and QGIS.
- Prepared detailed factual reports outlining findings, analysis, and recommendations for various engineering projects.
- Utilized geotechnical principles to assess soil properties, geological conditions, and groundwater levels.

## LICENSE AND CERTIFICATION

- Licensure Examination for Civil Engineering  
November 2022 (RATING: 86.5%)
- Construction Occupational Safety and Health Construction (COSH)  
Certified Safety Officer 2 – JULY 2023

- Midas Software Training
  - Certified Midas Trainer for College Students – September 2023/February 2024
  - Perspectives and Practices – Fundamentals and Applications in Geo-Structural Design
  - MRF Structures – NSCP 2015 & Applications in MIDAS Gen
  - Basic Steel Structures in Seismic Zone Areas
  - FEM-Based Design: Structural Resilience in Steel Water Tanks
  - 3D Slope Stability Analysis in MIDAS GTS NX
- Midas User Conference 2025 – Application of Global Solutions to Local Projects
  - Ground Analysis using MIDAS GTS NX (Monterrazas Case)
  - Cable-Stayed Bridge Design & Construction – Case Study
  - Advanced Structural Analysis for High-Rise Buildings using MIDAS Gen
  - Featured Software: MIDAS GTS NX, MIDAS Civil, MIDAS Gen
- Hands-on Training & Workshop – Advanced Structural Design Applications
  - RC Building Design using STAAD.Pro + RCDC (DPWH Standards)
  - Steel Member & Pre-Qualified Seismic Connection Design with IDEA StatiCa
  - Performance-Based Assessment & Retrofitting using SeismoBuild + SeismoStruct
  - Mat Foundation (Piled-Raft) Design

## EDUCATION

- Bachelor of Science in Civil Engineering | September 2020 | Technological University of the Philippines – Manila

## UNIVERSITY ACHIEVEMENT

- Clash of CE: 5th National CE Wizards 2019 (Madison 101 Hotel, Quezon City, December 2019)  
Champion
- PICE Regional Quiz Bee NCR– Individual Category (August 2019)  
4<sup>TH</sup> Place
- Conquer II–Engineering Quiz Bee (FEU-Institute of Technology, June 2019)  
Champion
- College of Engineering Week Quiz Show (TUP-Manila, December 2018)  
First Runner-up
- General Assembly Civil Engineering Quiz Bee (TUP-Manila, September 2018)  
Champion

## TECHNICAL SKILLS AND EXPERTISE

- Structural Design: Proficient in Steel and Reinforced Concrete design in compliance with NSCP, ACI, AISC, and Eurocode standards.
- Engineering Software: Experienced with MIDAS (Gen, nGen, Civil, Soilworks, GTS NX), STAAD Pro, ETABS, RCDC, AutoCAD, Revit, Bluebeam, PlanSwift, Mathcad, gINT, and QGIS.
- Project Management Support: Skilled in cost estimation, quantity take-off, and construction documentation.
- Technical Communication: Strong ability to prepare reports, deliver presentations, and provide technical instruction.