JASON WANG
STRUCTURAL ENGINEER
CURRICULUM VITAE

JASON WANG CV

PROFILE

Jason is a structural engineer with over 3 years experience working in New Zealand. He studied at Auckland University and completed his Master of Engineering, with a special focus on structures.

Jason is highly motivated to use his professional skills and knowledge of design to produce work with high efficiency and quality.

QUALIFICATIONS

BE (Hons) – Bachelor of Civil and Environmental Engineering, University of Auckland, 2019

MEngSt (Hons) – Master of Engineering Studies, University of Auckland, 2021

Emerging Professional Member of Engineering New Zealand

CAREER HISTORY

May 2023 – Present, Structural Engineer – Structus Consulting Limited, Auckland, New Zealand

June 2021 – May 2023, Structural Engineer, Chris W Howell & Associates, Auckland, New Zealand

TECHNICAL SKILLS

- Experience in construction monitoring of seismic restraint and residential works
- Experience in structural design of light timber frame buildings
- Knowledge of structural analysis using Microstran, ETABS, SAP2000
- Experienced in use of MATHCAD, AUTOCAD and MATLAB

PROJECT EXPERIENCE

RESIDENTIAL PROJECTS

Oliver Twist Avenue, Mellons Bay, Auckland, 2020-2023

Large four storey terraced housing residential development in Mellons Bay. Predominantly steel portal frame and GIB or plywood shear wall structures with timber pole subfloor, rib-raft floor slabs and Traydec for the garages. Site works involved pipe bridging structures plus timber pole and masonry retaining walls. Structural engineering design and construction monitoring.

Glenvar Ridge Road, Long Bay, Auckland, 2018-2022

Multiple terraced housing in a residential developments in Long Bay for GJ Gardener. Predominantly steel portal frame and GIB braced timber frame structures, with rib-raft floor slabs and timber pole retaining walls. Structural engineering design and construction monitoring.

Great North Road, Glendene, Auckland, 2022-2023

Five large two storey high end residential buildings development in Glendene for Harmony Homes. Predominantly masonry block wall and GIB braced timber frame structures, with rib-raft floor slabs or timber pole subfloor. Structural engineering design and construction monitoring.

Bellfield Estate, Opaheke, Papakura, Auckland, 2022 – 2023

Design of two storey terraced and standalone homes in a residential development on the edge of Opaheke Park. Predominantly designed using SG8 and LVL timber members with various layouts. Structural engineering design and construction monitoring.

EDUCATION PROJECTS

De La Salle College, Auckland, 2020-present, $25m

A new 3 storey 19 classroom block with ground floor administration and teaching space at De La Salle College. The building is part of the masterplan to address the need for larger teaching spaces and increased functionality. The building is constructed on a challenging site, with steep topography, poor ground conditions and flood susceptibility. The structure generally comprises precast concrete flooring and walls, on ground beams and steel driven piles with overbores. Structus has provided design for a Haul Road to allow for demolition of existing blocks and relocation of buildings at the school. Structus is providing full structural and civil engineering design, documentation, and construction monitoring services.

Kamo High School, Northland, 2020-present, $30m

Concept and preliminary structural engineering design of two new large two storey Classroom blocks, a single storey Blomfield block, breezeways, walkway canopies and a single storey Whare building on an existing campus. Completion of the design as staged building consents for all structures and seismic restraints. The structures predominantly comprise precast concrete shear walls, composite metal deck slabs on steel frame and concrete waffle slabs, with steel truss roofs. This is a government designated shovel ready project. Structus is providing the structural, seismic design and documentation for this project, plus construction monitoring.

COMMERCIAL PROJECTS

Mobil Gas Station Extension, Karapiro, 2021-2022

Extension to existing shop building. Conducted the structural modelling of the canopy using Microstran. Design of the truss, column and footing structures in concrete and steel.

Countdown Bureta Park Refurbishment Tauranga, 2023-Present

Single storey Supermarket building in Tauranga. Refurbishment to the existing building to obtain new online click and collect space and external pick up zone. Structural engineering design, 3D Revit documentation,

seismic restraints and construction monitoring.

FAÇADE PROJECTS

Uptown Apartments Stage 2, City Centre, Auckland 2022-2023

Apartment block with 11 storeys in central Auckland City. Façade design of balustrades and intertenancy screens in aluminium.

Juliet Apartments, Milford, Auckland 2022

Façade design of external stairs balustrades in aluminium for six storey apartment block in Milford.

Bianco off Queen Apartments Renovation, City Centre, Auckland 2022-2023

Apartment block with two towers, 14 storeys high in Auckland City. Façade design for balustrades and screens systems.