



OWEN LI  
STRUCTURAL ENGINEER  
CURRICULUM VITAE

# OWEN LI CV



## PROFILE

Owen is a structural engineer with over 6 years' experience working in New Zealand. He studied at Auckland University and completed his Bachelor of Engineering, with a focus on structures.

Owen is highly motivated to use his professional skills and knowledge of design to deliver his work and always endeavors to demonstrate his productivity and responsibility.

## QUALIFICATIONS

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

Emerging Professional Member of Engineering New Zealand

## CAREER HISTORY

October 2023 – Present, Structural Engineer – Structus Consulting Limited, New Zealand

October 2022 – October 2023, Structural Engineer – Kirk Roberts Consulting Limited, New Zealand

October 2020 – October 2022, Structural Engineer, General Structures Limited, New Zealand

January 2019 – October 2022, Graduate Structural Engineer, AJS International Engineering Consulting Limited, New Zealand

## TECHNICAL SKILLS

- Experience in seismic restraint and residential works
- Experience in structural design of light timber frame buildings
- Experience in construction monitoring of residential and light commercial buildings
- Knowledge of structural analysis using Microstran, Spacegass and ETABS
- Experienced in use of Mathcad, Autocad and Revit.

## PROJECT EXPERIENCE

### RETAIL PROJECTS

#### **Woolworths Pukekohe Refurbishment, Auckland, 2024-2025**

Refurbishment of the store and site works, including construction monitoring of the project and provide remedial solutions for existing building structure defects found on site.

#### **Woolworths Papamoa Refresh, Papamoa, 2024**

The structural works include alterations, such as partition walls and seismic restraints, plus rooftop signage and plant platform upgrade.

#### **Pak'nSave Warkworth Extension, Auckland, 2023-2024**

Extension of the existing Pak'nSave building. The Structural works include demolition of existing structures and new back of house bays of steel portal frames connecting to the existing structures.

#### **Four Square Coopers Beach, Northland, 2024**

New freestanding loading dock steelwork canopy and external coolroom structure to the rear of the store, plus internal fitout structural items.

#### **286 Apirana Avenue, Auckland, 2022**

Extension to existing Glen Innes shop building and seismic strengthening including portal frame and cross bracing, plus new block wall and supporting foundations. Structural modelling of the strengthening system using Microstran.

### **COMMERCIAL PROJECTS**

#### **107 Harris Road, Auckland, 2022**

Alternative for an existing East Tamaki building to construct a suspended mezzanine with portal frame, shear wall and timber floors. Structural works including lateral bracing design portal frames and plywood shear walls. Seismic gap and foundation design.

#### **Tamaki Building 6, Auckland, 2024**

Alternations to the existing building. The structural works include the assessment of the existing structure stability for demolition,

design of new internal structures and construction monitoring.

#### **Kaumata Housing Screens, Auckland, 2024**

New cladding screens for the Kaumata Housing Building 6. The structural works include design of the proposed aluminium screens and their fixings. Spacegass plate software used for analysis of the screens.

### **CIVIC PROJECTS**

#### **Three Kings Quarry, Auckland, 2024- present**

Kingsway Connection comprises a new 3 storey high concrete lift core, steel stair and 16m long bridge connecting the lift core to the adjacent bank. A01A02 comprises a new 3 storey high concrete lift core and bridge connecting to the adjacent retaining wall.

### **CIVIC PROJECTS**

#### **Te Unua Museum of Southland Fitout, Invercargill, 2024-2025**

The West building incorporates several Museum exhibition spaces. The visitor experience fitout of these spaces included structural engineering of a standalone 'hut', cantilever partition walls, circular 'silo' structure, lighthouse support, seismic restraint of ceiling mounted equipment and services.

### **RESIDENTIAL PROJECTS**

#### **484 Great South Road, Auckland, 2022**

Architectural feature residential house. Predominantly steel portal frame and GIB or plywood shear wall structures with rib-raft floor slabs and Traydec for the garages. Site works involved pipe bridging structures plus swimming pool designs. Structural

engineering design and construction monitoring.

### **826 Coastesville Riverhead Highway, Auckland, 2022**

Two storeys lifestyle buildings with timber and steel framings, rib-raft floor slabs and timber pole retaining walls. Structure design includes GIB bracing and portal frames. Structural engineering design and construction monitoring.

### **1278A & 1278B High Street, Lower Hutt, 2022**

16 no. two storey residential buildings development in Taita for Williams Corporation. Predominantly timber and GIB braced timber frame structures, with rib-raft floor slabs. Structural engineering design and construction monitoring.

### **41 Collingwood Street, Lower Hutt, 2021**

8 no. units of 3 storey residential buildings in Waterloo in Waterloo for Williams Corporation. Structural design includes gravity and lateral design. Timber framing, GIB bracing system and steel portal frames used on this project. Foundation design as a fully suspended rib raft system.

### **Project Velocity – Housing Delivery System, Auckland, 2023**

Member of Housing Delivery System (Kāinga Ora) to deliver residential projects throughout New Zealand. Working with other team members including Beca, Tonkin + Taylor and Civix.

### **EDUCATION PROJECTS**

#### **Liston College New Classroom Block, Auckland, 2024-present**

A new single storey timber 4 no. classroom block for Liston College. The structural works include timber lintels, beams, purlins, walls, columns and concrete raft foundation system. Lateral bracing system of plywood shear walls and roof diaphragm.

#### **Blomfield Satellite School, Bay of Islands, Northland, 2023-present**

A new single storey timber and steel special needs classroom block for Bay of Islands College. The structural works include timber and steelwork lintels, beams, purlins, walls, columns and concrete raft foundation system. Lateral bracing system of plywood shear walls and roof diaphragm.

### **HEALTHCARE PROJECTS**

#### **Whai Mauri Ora Clubhouse, Te Awamutu, 2024-present**

New clubhouse and wellness centre for Arvida retirement village. Structural systems comprise engineered timber including laminated veneer lumber (LVL), glulam (GL) for the swimming pool area, along with structural steelwork and timber framing for the clubhouse, with a concrete raft foundation.

