



**DAVID HUANG**  
**STRUCTURAL ENGINEER**  
**CURRICULUM VITAE**

# DAVID HUANG CV



## PROFILE

David is a structural engineer with over 4 years of engineering experience in New Zealand. After completing his New Zealand Diploma in civil engineering at Unitec in 2015, David worked as a structural engineer for nearly 3 years. He returned to study and completed a Bachelor of Engineering Technology at Unitec in 2019 and obtained a Master of Engineering Studies in civil engineering in 2022. During this period, he worked for Auckland Council in the Development division.

David is highly motivated to use the knowledge obtained from studies and work to deliver high quality projects.

## QUALIFICATIONS

MEngSt – Master of Engineering Studies, University of Auckland, 2022

BEngTech (Civil) – Bachelor of Engineering Technology (Civil), Unitec, 2019

NZDE (Civil) – New Zealand Diploma in civil engineering, Unitec, 2015

Emerging Professional Member of Engineering New Zealand

## CAREER HISTORY

December 2022 – Present, Structural Engineer – Structus Consulting Limited, Auckland, New Zealand

June 2019 – December 2022, Development Engineer, Auckland Council

January 2017 – June 2019, Structural/Civil Designer – A & A Consulting Partners, Auckland, New Zealand

November 2016 – January 2017, Structural Technician – A & A Consulting Partners, Auckland, New Zealand

## TECHNICAL SKILLS

- Experience of design in steel and concrete structures
- Experience of design of light timber frame buildings
- Experience of structural analysis using Microstran, Etabs, SAP2000, Space Gass
- Experience in civil design

## SELECTED PROJECT EXPERIENCE

### EDUCATION PROJECTS

#### **Don Buck Primary, Auckland, 2022 - present**

Don Buck is a new single storey 4 teaching space and amenities timber framed classroom

block, outdoor spaces and access road, plus site retaining to enable the classroom block. Structus was involved in Masterplanning and concept design and is providing full structural engineering design, documentation, and construction monitoring services

### **RESIDENTIAL PROJECTS**

#### **Pigeon Mountain Road, Halfmoon bay, Auckland, 2017-2018**

Three storey high end residential building. Predominantly steel frame and GIB braced timber frame structures, with rib raft floor slabs and retaining walls. Structural engineering design and construction monitoring.

#### **Three Storey Apartments, Otahuhu, Auckland, 2018**

Three storey apartments with non-similar floor plans. Predominantly timber framing to upper floors, with concrete slab and walls to ground floor. Waffle foundation slabs. Structural engineering design and construction monitoring.

### **INDUSTRIAL PROJECTS**

#### **Visy Board factory extension, Wiri, Auckland, 2017-2018**

Extension to existing factory building. Predominantly steel portal frame and waffle slab foundation. David was engaged in the structural design and construction monitoring.

### **Retail Projects**

#### **Pak'nSave Wairau, Auckland, 2023-present, \$3m**

Refurbishment and extension of the existing store for Foodstuffs North Island, Bulk store Cool Room structures, and internal alternation

for new process area. Structural engineering design.

### **HEALTHCARE AND AGED CARE PROJECTS**

#### **Aria Park, Auckland, 2023-present, \$50m**

New retirement village development consisting of 3 storey apartments/care units blocks (Importance Level 3) and basement. Structural engineering design of general gravity/lateral members.

