

## KIERAN WEST

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### Education

#### UNIVERSITY OF WAIKATO

Bachelor of Engineering with Honours (Civil) & Diploma of Engineering Management.

Thesis: Sustainable and cost-effective structural design approach via seismic isolation systems

Relevant Coursework: 1<sup>st</sup> in ENGEN272 Innovation Challenge, 1<sup>st</sup> in ENGEN180 Boat Design Challenge.

Hamilton, NZ

Dec 2022

#### TUAKAU COLLEGE

NCEA Level 1-3.

Tuakau, NZ

Dec 2017

### Experience

#### MITCHELL GEOCON GEOTECHNICAL

##### Civil Engineering Technician

Hamilton, NZ

Jan 2022 – Dec 2022

- Carried out geotechnical site investigations, timber subfloor, rafter steel placement and sandpad inspections, and prepared technical reports for both commercial and residential projects resulting in the build of multiple projects including the Hilton Brown Swimming Facility in Te Rapa.
- Used Visual CADD software to prepare complex design drawings with profound knowledge and ability to apply mathematics and engineering calculations and drafting skills.
- Designed retaining walls, stormwater and wastewater systems using Excel, with the use of relevant standards and codes such as B1 Building code.
- Liaised with clients on projects up to \$10K using excellent interpersonal communication and problem-solving skills to complete projects on time and under budget.

#### UNEX SYSTEMS

##### Assistant Engineer

Hamilton, NZ

Feb 2020 – Jan 2022

- Carried out product testing using a hydraulic ram and PT4000 load cell with stainless 316, aluminium 6060 T6, and both monolithic and sentryglas laminates to validate design criteria for their use as a structural balustrade.
- Applied mathematical and engineering knowledge in use of Microsoft Excel to prepare design load spreadsheets and results from testing for use in technical reports.

### Leadership & Activities

#### WONDER PROJECT (ENGINEERING NZ)

##### Rocket Challenge Ambassador

Hamilton, NZ

Apr 2022 – Jul 2022

- Introduced engineering concepts to a class of year 5-6 students, such as the engineering design process, Newtons laws, and other physics concepts.
- Led lessons with the teacher to plan and provide fun and informative sessions on through various phases from theory to testing.

### Skills & Interests

**Technical:** AutoCAD, Revit, ETABS, SAP2000, Microsoft Office Suite, Slide2.

**Technology Stack:** HTML, CSS.

**Interests:** Cricket, Travelling, Gym.