



THE UNIVERSITY OF
AUCKLAND
Te Whare Wānanga o Tāmaki Makaurau
NEW ZEALAND

ENGINEER YOUR CAREER

SUMMER 2021

Information from Industry for Student Engineers

Synlait

Want to work for
a company that
uses business as
a force for good?

We don't just talk about it
– we take action.

careers.synlait.com

We recently became a Certified B Corporation™ (B Corp™), and in doing so became the largest B Corp™ in New Zealand and Australia.

“Doing Milk Differently For A Healthier World is the reason Synlait exists. It shapes who we are, what we stand for, and what we do. Synlait’s mission is to be a catalyst for change in our industry and becoming a B Corp™ commits us to balancing people, planet and profit.” Synlait CEO Leon Clement

B Corp™ is a global community of for-profit leaders pledging to use business as a force for good.

Certified B Corporations are a new kind of business that balance purpose and profit.



For more information on the global B Corp™ movement visit:
<https://bcorporation.co.nz>



Synlait Future Leaders programme – Recruiting for the next intake commences February 2021, for a January 2022 start.

Claire Ye, Bachelor of Engineering (Honours) specialising in Mechanical Engineering, Auckland University standing in-front of New Zealand's first large scale electrode boiler.



WHERE DO YOU SEE YOUR FUTURE GOING?

SIMONE STOOVÉ

BE (Hons) Civil and Environmental Engineering | University of Auckland

Since starting my career at PDP, I have grown to love environmental engineering. Engineering is where science meets the real world, and environmental engineering is where systems are designed and implemented to treat or reduce waste.

Last year, I assisted with re-consenting a wastewater irrigation system by assessing environmental effects and developing mitigation strategies for these effects. Recently, my work focus has turned to a detailed civil and hydraulic design of a multimillion-dollar wastewater treatment plant upgrade.

Perhaps one of the greatest learnings for me has been realising that the collective experience and skill-set of a design team leads to a well-designed system.

Transitioning into the working world can be intimidating, but the multiplicity of staff at all career stages means there is always someone around who can offer support, technical advice, or a joke or two!

With support from the PDP mentoring programme, I have been able to

identify opportunities or methods to up-skill my soft skills and deepen my technical knowledge. Our mid-morning coffee-runs, regular domain lunchtime runs, 3 pm office planking sessions, and super-social touch rugby have also made the transition enjoyable.

There are exciting changes in regulation ahead, particularly around freshwater and environmental standards, that will trigger many work opportunities in the field of water and environmental engineering. Water infrastructure around the country is becoming dated and in need of remediation. In terms of work opportunities at PDP, in part, this will look like designing upgrades to water and wastewater infrastructure and urban stormwater systems.

Within environmental engineering itself, there is a great diversity of projects. The type of work you engage in shapes your career, whether you are a global picture optioneering type, or a precise and practical "let's figure out how this thing will actually work" detailed design type, there is a niche to suit a range of engineering personalities.



WHO ARE WE

PDP is a leading environmental and engineering consultancy offering solutions for environmental issues through our specialised range of services.

We are a NZ, employee owned and operated company, with 35 years' experience in providing environmental solutions throughout New Zealand, Australia and in the Pacific Islands.

Our team of over 175 specialists are located in Auckland, Hamilton, Tauranga, Wellington, Christchurch and Invercargill.

We are recruiting graduates and interns for our offices in Auckland, Tauranga and Christchurch.

To find out more about what we do and apply online, go to pdp.co.nz/careers

MAKE AMAZING HAPPEN

Graduates – with their fresh thinking and passion for reimagining what's possible – are critical to our success.

AECOM has the people, technology and vision to create smart solutions for our clients' challenges:

- 56,000+ AECOM team members working across 7 continents
- 3,500+ team members across Australia and New Zealand
- 18+ offices across Australia and New Zealand.

On every project and for every client, our talented teams pride themselves on big ideas, positive change, and on leaving lasting legacies that build communities.

Whether we're delivering city-shaping infrastructure or enabling clean and stable water supply to far-flung places many of us may never visit, our work makes a difference.

WHAT ARE OUR GRADUATE OPPORTUNITIES?

We are seeking applicants from a wide range of disciplines, including civil, electrical, environmental, geotechnical, mechanical, structural, building services and chemical engineering, as well as design, planning and program and cost management fields.

Our two-year Growing Professional Skills graduate program is designed to help you bridge the gap between formal education and the workplace.

As part of the program, we work with you to develop a plan, set your goals, and the actions required to achieve them. We not only provide technical training and access to experts in the industry, but training in soft skills in line with our focus on effective communication, client service and building agility and resilience.

There are many opportunities for gaining exposure or experience on different projects, in different locations and with different teams.

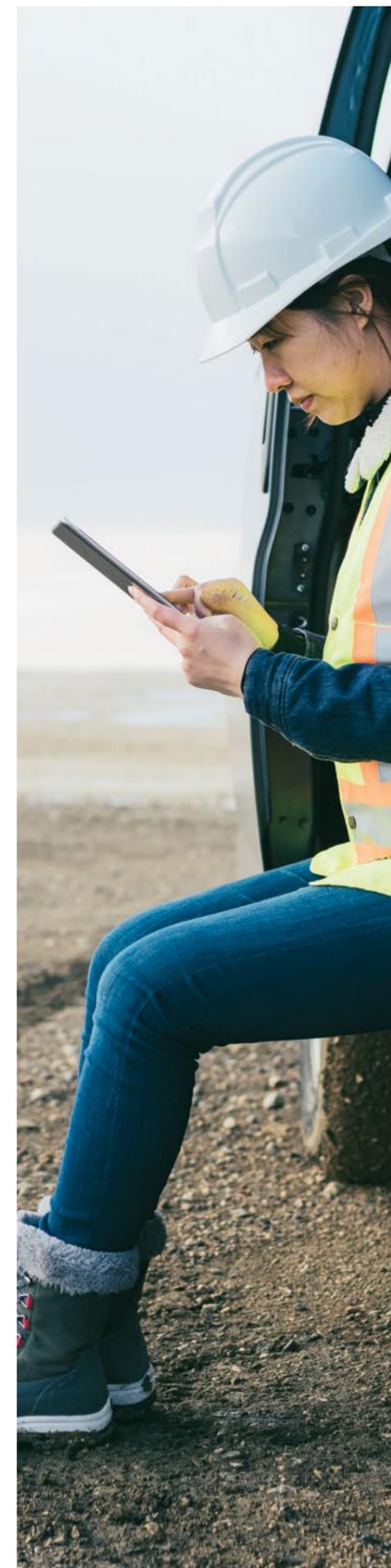
We are seeking graduates who want to try new things and expand their skills and knowledge.

HOW WE SELECT

Your application for a graduate role will be assessed through a staged approach, including initial application review, online strengths based assessment, video interview and assessment centre/ face to face interview.

APPLY ONLINE

aecom.com/australia-newzealand-graduate-careers/
Applications opening, 1st March 2021, closing 26th March 2021.





Building a better working world

Could your career journey be as unique as you are?

The exceptional EY experience. It's yours to build.

ey.com/nz/careers



The better the question. The better the answer. The better the world works.

© 2021 Ernst & Young, New Zealand. All Rights Reserved. APAC No. NZ00001159. PH20211-000534. ED None.

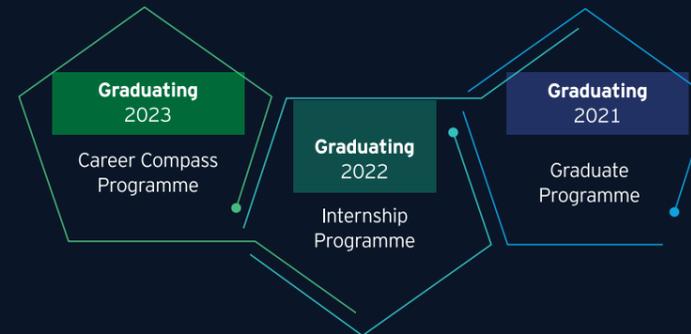


Building a better working world

Could the skills you learn here unlock doors anywhere?

The better the question. The better the answer. The better the world works.

Student Programmes



Meet Guy Hermanoche

Bachelor of Commerce and Engineering (Honours)
University of Auckland



I'm a Consultant within the Consulting service line. I started my career in March 2020 as a graduate. I work within the Big Data and Analytics team where we assist EY clients across all sectors to transform their businesses into data-driven organisations so trusted intelligence is embedded in daily operations from the board room to the front line.

My projects so far have primarily been on the technical side - implementing technology solutions to various business issues, and so it aligns well with my degree. Although it is not a required skill, having a coding background and understanding of how things are done in the background has allowed me to make a greater contribution to my projects. On a broader level, having good attention to detail and logic-driven problem-solving skills plays a big role.

One exciting project I worked on was a data migration piece. The project was to create an analytics platform for the EY client which will automate the manual processes and help them make better data-driven decisions. What I enjoyed the most was my ability to sit in various parts of the process, from consulting strategy and management to front end and back end development of the technology solutions - getting a wide-breath and range of experiences.

What if your career could have a lasting impact on you, and on the world?

Your ambition is as bold as ours. To solve the world's toughest problems. To ask questions that have never been asked before. To innovate, to grow, to learn, to lead, to belong bringing out the best in yourself and in others.

Here at EY, you'll build the tech skillsets and growth mindsets to become the leader you want to be.

We'll provide the culture, the tech, the teams, the scale, the learning and the relationships for you to personalise your career.

You'll learn and innovate here while asking better questions to seek better answers and building a better working world. Together.

It's yours to build.

Connect with us

For more information on our application process, life with us, competitions and to get the inside scoop on EY, follow us on:

- facebook.com/EYCareersNewZealand
- bit.ly/EYOceaniaCareersYoutube
- ey.com/nz/careers
- instagram.com/eynzcareers
- bit.ly/EYLinkedIn_CareersAUNZ



Sarah Innes

Water Resources Engineer

Who are we?

T+T is a 100% New Zealand-owned specialist environmental and engineering consultancy. We shape the interface between people and the environment - earth, water and air - using science and engineering.

We strongly believe that it's our people that keep our clients coming back. Our people are our greatest asset, and we invest in their development, well-being and ambitions. Our national and international award-winning engineers, scientists, planners and project managers stand shoulder-to-shoulder with the best in the world.

Meet Sarah!



Role: Water Resources Engineer
Time at T+T: 2 years
Degree: Bachelor of Civil and Environmental Engineering with Honours, at the University of Auckland

What do you actually do?

I've worked on a wide range of jobs so far, trialling out different aspects of water engineering. Some of my main projects have involved flood modelling and hazard mapping; writing a stormwater management plan alongside developing a new erosion risk assessment tool; and working on a drought resilience model as a response to the Auckland water shortage.

How has T+T supported your career?

On an individual level, everyone I've worked with has supported me by taking the time to explain concepts and guide me through work that challenges me and that is interesting. As a company, I've been provided with lots of opportunities to attend training courses (despite covid), and I've been a part of a newly developed graduate programme which has offered connection to graduates all around the country and on-going training and support as I navigate the transition to working life.

What is the best thing about working at T+T?

The people and the culture without a doubt. T+T doesn't have a sense of hierarchy and everyone makes you feel welcome from day 1. Everyone cares about the company, each other, and clients who we do work for. T+T focuses on projects that align with their values, and this feeds into an interest and eagerness to take pride in our work

What advice do you have for students looking at graduate jobs?

Talk to people who work there and get a gauge of the culture of the company, as that is going to determine the opportunities you get. Apply for a company that aligns with your interests and passions because not only is that going to be naturally evident in an interview, it's also going to set your career on the right path from the get go. You don't have to know what you want to do exactly, but you just have to know what gets you up in the morning and what you're passionate about. Because if you are passionate about the outcome of the project, then that'll get you through the tricky problems you face in the project along the way and provide you with motivation to pursue the career path you've always wanted.

We are looking for Graduates and Summer Interns with inquisitive minds from a range of degree backgrounds who are looking for an exceptional, open environment to help them succeed.



Join our team

Applications are open for 2022 graduate roles from 1st March 2021 and we'll be recruiting for our 2021 - 2022 summer internship programme in July/ August 2021.

Head to our website www.tonkintaylor.co.nz/careers to find out more.

NATIONWIDE INFRASTRUCTURE & DEVELOPMENT SPECIALISTS

ABOUT US

Hick Bros Civil Construction Ltd specialises in combining the latest heavy plant resource with a large professional team to provide value-added engineering solutions for all facets of major infrastructure projects and land development works.

We have been involved in major infrastructure projects such as - Taupo Bypass, Te Uku Windfarm, Te Rapa Bypass, Christchurch Rebuild, Auckland Airport, Taupo Geothermal Projects, Maheno and Kaitia Dams, SH16 Causeway, NGA New Market Viaduct. We have continued as one of NZ's largest development civil contractors, completing projects such as, Stonefields, Rangitahi Peninsula, Waiata Shores, Longbay, Millwater, Milldale, Hobsonville/Westgate Industrial Estates, and many more...

INTERESTED IN A CAREER WITH HICK BROS?

Send your CV and cover letter to hick.jobs@hickbros.co.nz



MEET
TERENCE WALLACE-MALLOY
 SITE ENGINEER

Q&A

Since joining Hick Bros in February 2020, Terence's career has progressed beyond anything he expected. Starting as a graduate straight out of university, in the space of 12 months Terence has been promoted to Site Engineer and given responsibility for running his own site. Terence talks about his experience.

WHY DID YOU CHOOSE TO GO INTO CIVIL CONSTRUCTION?

Civil construction was a career I wished to pursue from a young age, following in the footsteps of my grandfather.

WHAT DO YOU ENJOY MOST ABOUT WORKING AT HICK BROS?

Along with a vast range of support, guidance, and a friendly environment, Hick Bros continues to provide me with ample opportunity for learning and progression in the company.

WHAT DOES YOUR ROLE ENTAIL?

My current role as a site engineer involves the management of an earthworks site. This includes monitoring the progression of work to ensure the project is completed on time, and acquiring the necessary tools, machinery, and staff to achieve the desired completion date.

HOW HAS YOUR CAREER PROGRESSED SO FAR WITH HICK BROS?

In the span of a year, my progression throughout the company has advanced from a student with very little practical knowledge to a site engineer given the opportunity to manage my own site and demonstrate the knowledge acquired throughout the year. This has been made possible by having awesome mentors and managers who are really invested in developing my career.

WHAT ADVICE WOULD YOU HAVE FOR ANYONE THINKING ABOUT APPLYING TO HICK BROS?

Have an open mind, a willingness to learn and a good work ethic. In my experience if you portray these traits Hick Bros will be more than willing to acknowledge this put the time and effort into developing your career.



WWW.HICKBROS.CO.NZ



Unconventional

The people who design a better future for humanity are the brave new thinkers like you.

We need you to draw upon unconventional ideas and piece together solutions to complex challenges. **Join us and together we'll make an impact that shifts the world.**

Aurecon is more than an engineering, design and advisory company—**we were named Australasia's Most Innovative Company for 2020.**

Pictured: Aurecon Civil Engineer, Shabiha Sultana

aurecon

Bringing ideas to life

aurecongroup.com/graduates

Who are we?

Aurecon is more than an engineering, design and advisory company.

The Australian Financial Review (AFR) named us **Australasia's Most Innovative Company** and Most Innovative Professional Services Company for 2020. We were also honoured to be the first New Zealand engineering company to achieve **The Rainbow Tick certification for diversity and inclusion** in 2019. We maintained our accreditation in 2020.

Hardwired in our DNA are engineering, design and the deep need to leave a legacy. We believe humanity depends on engineering; and we recognise we have a broader stewardship role to play. A deep responsibility to hold. As we continually strive for a life in balance, Aurecon clients will be ready for the future and engineered for life.

What makes us unconventional?

The people who design a better future for humanity are the brave new thinkers like you.

We need you to draw upon unconventional ideas and piece together solutions to complex challenges.

From **using digital technology to plan and restore safe transport access** from Manawatū to Hawkes Bay after major landslips, to advising on innovative infrastructure solutions to **support the growth and regeneration of Eastern Porirua**. To designing a breakthrough **solar-powered water treatment plant** that provides drinking water to Indigenous and remote communities across Australia.

Join us and together we'll make an impact that shifts the world. Apply for a role and start exploring your future with us today.

Our graduate programme

As an Aurecon graduate, you will work in a collaborative environment where you have the flexibility to pursue your passions, design your own pathway, and fast track your career.

As part of a diverse and inclusive team, you'll collaborate with others across geographies and markets, applying your skills to re-imagine engineering and design a better future.

You will also work alongside industry leading professionals, mentors and peers. If you would like to experience numerous areas of Aurecon's business, we can facilitate that too.

Apply now

www.aurecongroup.com/careers/graduates-interns

Graduate applications close: 11 April 2021

Internship applications close: 16 August 2021

*Whakahiā ngā whakaaro
Kia maia, kia kaha, mahi tahi*



Meet Shannie Su Graduate Transport Engineer

Location: Auckland, New Zealand

Time at Aurecon: 10 months

University attended: University of Auckland

Degree(s) completed: Bachelor of Civil Engineering (Honours)

Strongest Aurecon Attribute: Sense maker

As a graduate transport engineer, I work on multiple transport projects of varying sizes and at different design stages such as business cases, preliminary designs, and detailed designs. The 2D design and drafting skills I'm developing now will provide a solid foundation for when I learn 3D modelling design, while project administration helps me understand the fundamental parts of running a project, such as the project cost control, communication with different stakeholders and programming. Learning these skills will keep my career path open to project management roles instead of being restricted to only technical roles.

What are you currently working on?

I'm currently working on an Issue for Construction (IFC) Rotorua roading design deliverable. The team's design manager runs a daily catch-up to go through tasks and have a discussion where we can ask design questions or talk about any roadblocks. In these meetings, I develop both my technical and my communication skills, asking the senior engineers technical questions and understanding the current project's progress and what other people are working on. Working on a project like this is an awesome opportunity to learn how Aurecon designs and manages projects by listening to the discussion between all roles and positions.

What tools do you use on projects?

I draft up road geometry and road designs using modelling software, such as AutoCAD and CIVIL3D. Normally I'll get instruction or mark-ups on what standards I should refer to or the design mark-ups. On some days, I use my CAD skills to help the digital specialist clean up old design files so that they can build up an Infracore design model compiled with the bridge and architectural design.

Presenting the design in a conveyable way to help people visualise it is important when communicating within teams or with the client. It plays a big part in a project's success and in delivering an excellent client experience, which I'm always passionate about!

Tell us something you do outside of work

Since I have a strong interest in empowering female engineers and promoting engineering, I signed up to be an industrial mentor for University of Auckland engineering students via the Women in Engineering Network (WEN) and Civil Engineering Student Association (CESA) mentoring programme. I had an amazing mentorship experience as a mentee back at university. My mentor was approachable, insightful and was always willing to listen and be open to share her experience and thoughts. Being able to help others develop and grow is one of my major motivations for becoming a mentor and, more importantly, for making a positive impact.

Unlock your purpose

At Jacobs, every day is an opportunity to make the world better, more connected, more sustainable.

We're powered by more than 55,000 people across the globe who deliver innovative scientific, technical, professional and program-management solutions for public and private clients around the world.

We're always looking for dynamic and engaged people to join our team. Bring your passion, your ingenuity and your vision. Let's see the impact we can create, together.

Together with the University of Auckland and the University of Canterbury, Jacobs has developed the First Look Student Scholarship Programme for summer work experience. Join us and you'll have the support, means and space to deliver the boldest solutions for the extraordinary and the everyday.

“

Jacobs' First Look programme has been an exceptional experience. I spent last summer working with Jacobs' power systems team while studying electrical and electronic engineering at the University of Auckland. Already as an intern, I can see my designs getting built and making an impact on the community I live in. I even assisted on an international project - a geothermal power plant in Indonesia. This was only possible because of the stimulating, inclusive environment created at Jacobs. I've truly grown as an engineer and learnt so much.

Aditi Ramalingam

Undergraduate First-Look Student

Why choose Jacobs?

- We offer a flexible programme enabling you to work in various disciplines.
- We're involved in major infrastructure programmes in NZ and around the globe.
- The JacobsGo programme gives you the opportunity to explore new places while working in one of our 400+ locations around the globe.
- Our Culture of Caring places significant value on aspects such as inclusion and diversity, sustainability and work-life balance.
- We hold a YWCA Equal Pay Compact Award for our commitment to equal pay.

We hire:

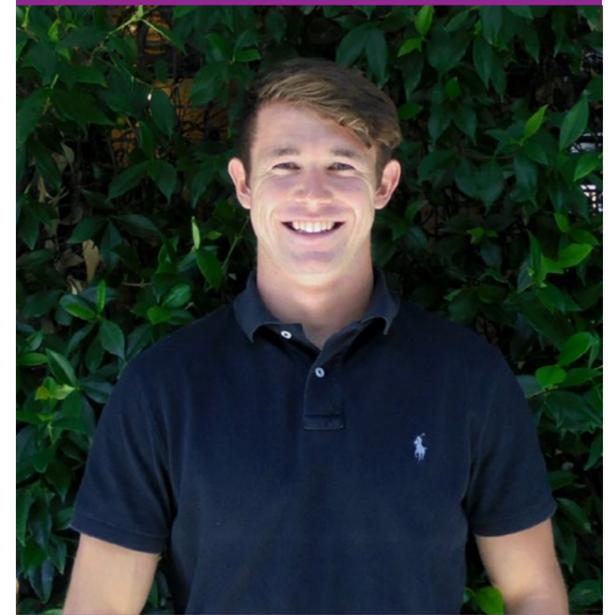
- Geotechnical Engineers
- Drafters
- Transport Planners
- Bridge Engineers
- Mechanical Engineers
- Technicians
- Project Controllers
- 3D Modellers
- Water Resource Engineers
- GIS Consultants
- Electrical Engineers
- Designers
- Data Scientists
- Architects
- Hydrologists
- Sales Representatives
- Economists
- Geologists
- Sustainability Consultants
- Process Engineers
- Environmental Planners
- Risk Management Consultants
- Safety Managers
- Cost Managers
- Civil Engineers
- Ecologists
- Geothermal Scientists
- Commercial Advisors
- Estimators
- Project Managers
- Land Surveyors
- Structural Engineers

“

I joined Jacobs as a First Look student in the power team during 2019. In just one summer with Jacobs, I have not only learnt valuable technical skills, but I have also gained a great insight into the management of large engineering projects. All my colleagues at Jacobs took a genuine interest in my development and I was trusted to undertake work on a variety of interesting projects. The supportive team environment Jacobs offers has helped me build confidence in my ability, make new friends, and have fun while I learn.

Jared Gebert

Undergraduate First-Look Student



Apply for the First Look Programme by 4 April 2021

Visit jacobs.com/careers for more information.

in @ t f v

AN ENGINEERING CAREER LIKE NO OTHER



Marine Engineering Officer (MEO)

Marine Engineering Officers are the Navy's experts on ship structure, propulsion, power generation, hydraulic and habitability systems. MEOs onboard ship lead teams of skilled hands on technicians who operate, maintain and repair this diverse range of equipment.

A diverse range of shore based positions include management of complex projects, equipment procurement, ship system and physical upgrades, and performance analysis.

Eligible degrees: BE(Hons) or BEngTech in:

- Mechanical
- Electrical
- Mechatronics
- Chemical
- Process
- Materials
- Electronics

Weapons Engineering Officer (WEO)

Weapon Engineering Officers are the Navy's experts in weapon systems, communication, sensors, and combat management systems. WEOs onboard ship lead a team of skilled technicians who maintain and repair the sophisticated equipment that provides our fighting capability.

WEOs are also involved in complex multi-million dollar project management, equipment procurement and upgrades, system optimisation and maintenance planning.

Eligible degrees: BE(Hons) or BEngTech in most engineering specialties (excluding Civil). Degrees in Computer Science, Systems or IT are also accepted.



Engineering Officer

Engineering Officers actively manage the engineering and maintenance of RNZAF aircraft and its mechanical, avionics and armament systems. You will be responsible for the safety, airworthiness and availability of the aircraft.

Engineering Officers work across all engineering disciplines, including the research and development of aircraft, equipment modifications, managing budgets and financial systems, and designing structural repairs.

Eligible degrees: BE(Hons) or BEngTech in:

- Mechanical
- Electrical
- Mechatronics
- Aeronautical Engineering

Scholarships

Undergraduate Scheme

RNZN Chatham Scheme

Recipients are able to study at a university of their choice while the Navy pays for all course fees. There is a year for a year return of service attached to this scheme.

Graduate Schemes

RNZN Amokura Scheme and RNZAF Graduate Incentive Scheme

Engineering graduates and final year students are eligible for the graduate scholarship schemes. In addition to your normal salary, you will receive annual payments totalling \$40,000 over four years (for a four year degree). There is no minimum time to serve or return of service attached to this scheme.

Find out more information on these trades go to:
defencecareers.mil.nz
0800 1 FORCE



Inspiring one century. Innovating the next

Q&A with Mana Carr, Graduate ICT Design Engineer

Can you tell us about the Beca grad programme?

Landing a grad role at Beca is a great way to start your professional career. There are many opportunities provided to develop and expand your skill sets through technical development, leadership exposure, community engagement and everything in between. Beca puts a lot of effort into tapping into the potential of their graduates.

What's the best part of your job?

Being able to see the real-world results of the design work that I do is very rewarding, but the best part about my job is the people I work with. I am surrounded by people that are invested in my growth and that challenge me to become better every day.

How has Covid-19 impacted your grad experience?

Thankfully, during the lockdowns I was well supported by my team and able to continue working and learning. Networking functions were the most significantly affected events but Beca was still able to provide some socialising and workshop opportunities for the graduates to build relationships.

What advice would you give to someone who is not sure which pathway to take after university?

It's ok to not have a clear career path straight out of university. It can be daunting trying to decide what you want to pursue but having options is a great way to start. You'll never know if you never try so put your best foot forward at every opportunity until you find something that you enjoy and remember that it's never too late to change lanes and try something new.

How to apply for our grad programme and summer internships

Each year, we employ up to 150 graduates and 70 summer interns across Australia and New Zealand. We have a range of different graduates joining us from science, engineering, planning, arts and IT, just to name a few!

Applications for our 2022 grad intake will be open from **15-29 March**. Applications for our 2021/22 summer internships will open in July. Follow us on Facebook and Instagram [@BecaGraduates](https://www.instagram.com/BecaGraduates). Join the Beca family!

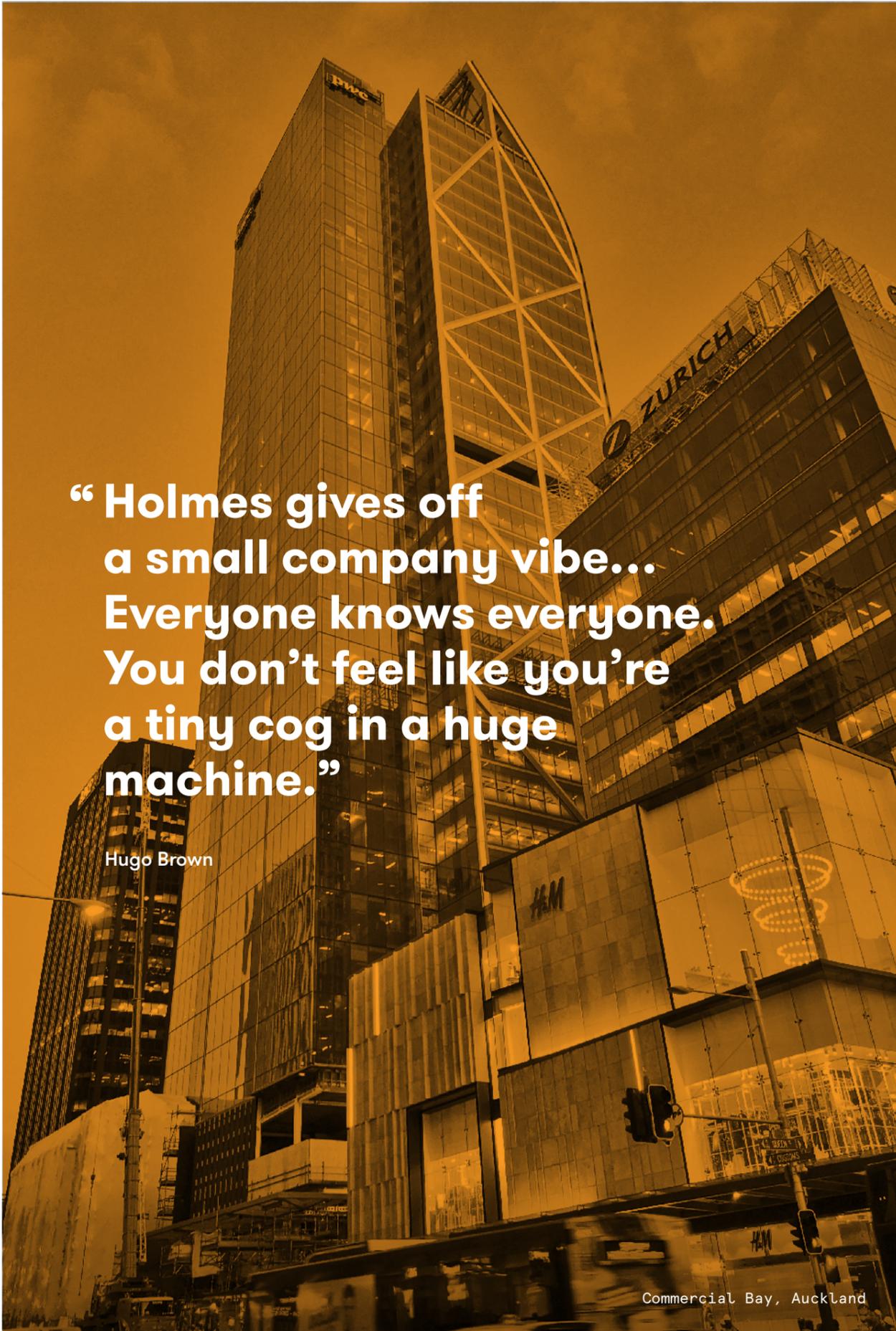
www.beca.com/becagrads



Belonging at Beca

- A Cook Islander
- B Lego collector
- C Comic reader
- D Burger lover

make everyday better.



“Holmes gives off a small company vibe... Everyone knows everyone. You don't feel like you're a tiny cog in a huge machine.”

Hugo Brown

Commercial Bay, Auckland

Life @ Holmes

HOW DID YOU FIND THE TRANSITION FROM BEING A HOLMES INTERN TO COMING BACK AS A GRADUATE?

After interning at Holmes Consulting, I knew I wanted to come back as a Graduate. The transition was smooth, you already know the processes as well as the people. It felt like I had never left.

WHAT INSPIRED YOU TO BECOME AN ENGINEER?

I had a knack for math's and physics during high school and loved problem solving. Solutions are not linear in engineering, there's always a different problem to solve and this is ultimately why I chose to pursue engineering.

YOU ALSO STUDIED A BACHELOR OF COMMERCE, WHY DID YOU GO DOWN THE ENGINEERING CAREER PATHWAY INSTEAD?

The problem-solving aspect of engineering is what really drew me to the profession and why I decided to specialise in structures. Being able to interact and build relationships with external parties was also a driver for me and Holmes has enabled me to do just that.

WHAT'S BEEN YOUR MOST CHALLENGING PROJECT?

Definitely the project I'm currently working on. I'm going in-depth with Etabs modelling, learning python and C# as well as writing full capacity design procedures. I always thought this type of work was reserved for Senior Engineers, so it's been great to be exposed as a graduate. It's challenging, technical work but I'm loving it.

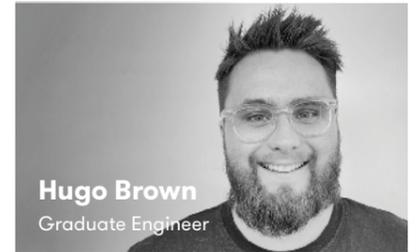
IN THREE WORDS HOW WOULD YOU DESCRIBE HOLMES CONSULTING?

Collaborative, innovative and engaging.

HOW WOULD YOU DESCRIBE THE CULTURE AT HOLMES CONSULTING?

The culture at Holmes cannot be beaten. Not only is the variety and scale of work great but being surrounded by the best in the industry, who both want to deliver great work and ensure you get development out of every project you work on, has been awesome.

Holmes gives off a small company vibe for a company that isn't small. Everyone knows everyone. You don't feel like you're a tiny cog in a huge machine.



BEST THING ABOUT WORKING FOR HOLMES CONSULTING?

The people. Holmes has a very flat structure and everyone is approachable and willing to take the time to help you, which I've appreciated as a graduate.

MOST CHALLENGING PART OF STARTING OUT?

The non-design elements have been the most challenging. Things like how to interact with external parties like the architect or what proprietary products are used in reality. There's been a lot of learning on the job which has been challenging but also knowing that there're people to turn to has made a world of difference.

THING THAT SURPRISED YOU MOST ABOUT STARTING WORK?

People always say a job is a job but I genuinely enjoy coming to work. I didn't expect to enjoy working as much I do. I think it's a mix of working with great people and being challenged in my work every day.

Join us at our University of Auckland careers evening

Tuesday, 16 March, 2021 at 6pm

Faculty of Engineering, Lecture Theatre 401-439

or apply today for structural graduate and summer intern roles at www.holmesconsulting.co.nz/engineer-my-career

Holmes

GET HANDS ON EXPERIENCE TO KICK START YOUR CAREER WITH TIDY

OUR LATEST RECRUIT, SHARON WONG

Sharon was an intern with Tidy in 2020 while completing her Biomedical Engineering degree at the University of Auckland. Now she works full time for Tidy as a software engineer specialising in health tech, helping us with research and development for a new product, TidyClinic.



WHAT DID YOU DO DURING YOUR INTERNSHIP?

I met clients and learned about the current medical software used in surgical environments.

WHAT MOST SURPRISED YOU ABOUT YOUR EXPERIENCE?

It was just how much hands-on work I got to do with our clients. I spent 6 hours per week during the University semester at the Tauranga Oral & Maxillofacial Surgery and was involved in everything from consultation sessions between doctors and patients, to the reception desk, and surgical procedures.

HOW WOULD YOU DESCRIBE YOUR EXPERIENCE WITH TIDY?

"Eventful, intense (but in a good way), eye-opening. I didn't actually think I would be watching real surgeries on my first day! My internship with Tidy showed me that I was going to get a really hands-on experience and be in the thick of things with this company".

WHO ARE TIDY?

Tidy International provides cloud software products to small and medium-sized enterprises in many parts of the world. Our HQ is in the beautiful, sun drenched city of Tauranga, the largest city in the Bay of Plenty region and one of the fastest growing areas of NZ.

We're a game-changing mix of talent working on every aspect of selling, supporting and continuously developing our software and services into many exciting markets.

INTERNSHIPS AND GRADUATE OPPORTUNITIES

We're not just looking for software engineers. We employ people in roles ranging from marketing and storytelling to management and financial accounting, legal to engineering, user experience and design to help our customers to run their businesses better with the very best digital solutions.

REAL EXPERIENCE AND USEFUL ROLES

Our internships offer a chance to get involved from day one. In 2020/2021 three of our interns secured permanent, full-time roles working for Tidy.

We're interested in a range of factors that will give you the opportunity to reach new levels. We look at your capabilities and potential, your attitude and motivation to make a positive, high-quality difference to our customers, partners and products.

We want people who will further enrich the teams you will work with and embrace, enjoy and thrive within Tidy's culture.

Talk to us and find a match to your unique skills and potential at Tidy.

EMAIL US YOUR CV AND COVER LETTER SO WE CAN START A CONVERSATION:
careers@tidyint.com



Join our global community of designers, engineers, planners and scientists.

Find out about our intern and graduate opportunities at stantec.com/newzealand

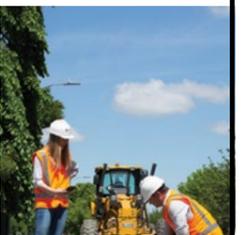
5th
most sustainable
company
in the world
(Corporate Knights, 2021)



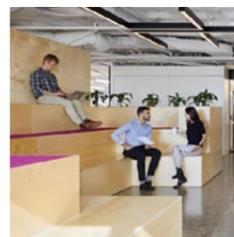
16
New Zealand
offices



350
global locations



22,000
employees





The future is bright. limitless. yours. Frequency.

Looking to be part of an organisation with a diverse range of opportunities and an energetic culture?

MEET ONE OF OUR GRADS

MORAG ROSS

- University of Auckland Graduate
- Chemical & Materials Engineer
- Loves Baking



After two years in the Frequency Graduate Programme, Morag was recently promoted to Associate.

WHAT OPPORTUNITIES HAVE YOU HAD WORKING FOR FREQUENCY?

I've had the opportunity to find what I want to do with my career. As a first job out of uni, being a Graduate at Frequency is fantastic as you get exposure to various different roles in the company. You're able to move around and find the place you want to be, supported the whole time by the amazing people that work here.

WHAT HAS BEEN YOUR FAVOURITE PROJECT SO FAR?

That would have to be my current role assisting with the integration of KiwiRail's capital works programmes. The interdependence of the New Zealand rail network and gaining visibility over a high level of the different programmes is fascinating, and on a basic level I just really like trains.

HOW HAS FREQUENCY SUPPORTED YOUR CAREER?

Frequency has been great with providing external and internal training opportunities, always pushing us to grow and better ourselves. The Graduate Programme was in its infancy when I started and it's still growing and developing so even though I'm now an Associate I'm still invited to be part of the Graduate training sessions to ensure that there are no gaps in my learning and that I'm continuously developing to the best of my abilities. As an Associate I'll now be able to attend our Associate Forums as well, which include more focussed sessions on the various different services lines that Frequency offer. This keeps your knowledge fresh and diverse, which is great, especially if you're still deciding which service line you want to settle in.

WHAT IS THE BEST THING ABOUT WORKING FOR FREQUENCY?

It's got to be the people and culture. Everyone is so nice and supportive, always willing to lend a hand, their experience, and an ear. I'm glad I work for a smaller firm particularly after being exposed to some of bigger companies. It has given me the opportunity to see the whole business working, rather than just being a piece of the puzzle, and the chance to work on a number of different projects with different teams.

WHAT ADVICE WOULD YOU GIVE TO STUDENTS THINKING ABOUT APPLYING FOR FREQUENCY'S GRADUATE PROGRAMME?

Do it. But be true to yourself. Academic ability is one aspect of being fit for a job, but what's more important is your fit with the culture of the company. It doesn't matter if you're shy at first, nervous about the job interview, as long as you're you. Also, once you get in, you need to be aware that you will be doing basic work at the beginning, but as you prove yourself and show you can be trusted, your responsibility and the level of work you are given will grow.

Frequency NZ Ltd

is a growing New Zealand-owned project advisory and project management firm with four offices throughout the country. Our expertise spans multiple sectors including rail and road infrastructure, housing, airports, education, and commercial/logistics.

We provide a wide range of services to some of New Zealand's most influential clients including ASB, KiwiRail, Auckland Council, Piritahi, The Ministry of Education, The Ministry of Defence, City Rail Link, Kāinga Ora, Waka Kotahi NZ Transport Agency, Auckland Transport, Foodstuffs, CentrePort and Auckland International Airport Ltd.

Frequency is a values-driven organisation and we believe our greatest asset are our people. Our team is made up of highly capable professional staff, selected for their technical ability and their personal alignment to our core values of understanding, leadership, teamwork and agility. Our team are experts in their field, bringing a wealth of experience from different backgrounds and numerous local and international projects, as well as a desire to improve and test the boundaries of what's possible through smart, innovative thinking.

At Frequency we work hard, but we believe that playing hard is also important to ensure a happy team, so we encourage our Graduates to get involved with our social club activities, visit teams at our branches throughout the country, and attend our annual retreat where all of our four branches come together over two days of engaging presentations and fun activities.

If this sounds like you or you'd like to find out more, come and see us at the **University of Auckland 2021 CDES STEM Career Expo on 28 & 29 April.**

The opportunities at Frequency are endless!

We understand that it's not always clear which career path to take. That's why the Frequency Graduate Training Programme will get you involved in multiple projects across all our service lines - so that you can get real-world experience and decide for yourself where your passion lies. We want to know what you think, so you'll be involved in decision-making and have your voice heard.

You will have the autonomy to get on with the job but will be supported every step of the way by our amazing team at all levels, from management through to current graduates, learning from some of the most talented thinkers in the industry. Our Graduates enjoy an inclusive culture where issues are shared and problems solved by employing the wealth of knowledge that runs through the team. We offer clear development paths which are complemented by our Learning & Development programme.

We are seeking self-motivated, energetic and ambitious graduates with a can-do attitude to join our team. Ideally you will have recently completed an Engineering degree majoring in structural, civil, geotech, transport or similar (e.g. architecture) and most, if not all, of your practical hours.





Calibre is growing. Grow with us.

Evelyn Baxter Bachelor of Civil Engineering

Thriving as a graduate during a pandemic

Evelyn Baxter started as a graduate with Calibre just two short months before the COVID-19 pandemic hit. She shares some of her personal experiences from this challenging time and offers tips to help you thrive as a graduate engineer during a pandemic.

I was very excited to start my first real job as an engineer. I had some preconceived ideas of what my first year of work would be like, but I was about to gain a completely different experience. Having spent the last couple of months settling in and getting into a routine, the news of moving to a lockdown made me feel quite anxious. So many questions popped into my head: How can I stay connected with my team? How will I make an impact? Will I have enough support? How will I achieve to my full potential?

One of the biggest challenges of working remotely was not having the opportunity to bond with others on a personal level. When you're in the office, conversations happen organically and it's how you develop relationships. You naturally chat to people by the coffee machine, talk about projects or ask for their opinion on work. Now that I had to use Teams or Zoom for all my conversations, I had to overcome the fear of "bothering" people with my questions and make the effort to connect socially.

The collaborative organisational culture, together with the relationship I have with my manager and the support from my peers, were critical factors that enabled me to operate successfully.

We have a very positive and inclusive culture at Calibre. I feel like everyone wants you to succeed and you can bring your 'true self' to work. We have smaller teams than what you would normally see at some of the bigger firms and this provided me with the opportunity for development and personal growth, and

also the ability to build close connections with my peers.

Something that really stood out to me was the focus across the organisation on well-being. I think our leaders stepped up and led with their hearts as well as their heads and my colleagues were looking out for me. My manager put my well-being first, remained proactive about my development and looked for opportunities to give me challenging work.

Over the last year I have helped manage (from concept to construction) and design the warehouses for the Totalspan portfolio. I am the first point of contact for the client, providing advice on costing, innovation and improvements – I did not expect to lead a large client account so early in my career.

I have also had the opportunity to lead the design for Penrhyn Island Medical Centre in the Cook Islands. This project involves designing for tsunami and cyclone loads, which is very different from what I have done before. In both these projects, I have been able to test my boundaries, while knowing that there is a safety net with my team and manager, there to support me.

I am also part of the Young Professionals Group, which connects our young professionals, expands on knowledge obtained through everyday experiences and supports each other through challenges and career development. You get a mix of work related and non-work related support through initiatives like technical sessions, CPEng café and discussions on how to save for your first house and general life hacks.

The COVID-19 pandemic has really given us a chance to change how we work. It has been a crash course in adaptability and am grateful that I've continuously had the opportunity to stretch myself, learn new skills and gain a broad range of experience while being able to manage my well-being.



Evelyn's top tips for graduates

- 1 Make sure you bring your own unique skills to the workplace and make them known. Don't be afraid to show who you are.
- 2 Don't be afraid to ask for help. It can seem more formal to ask for help over Teams or Zoom but don't let this discourage you.
- 3 Regularly meet with your manager and other team members over Teams or Zoom to discuss daily projects, group work, and individual assignments.
- 4 Offer to help - you'll be surprised how many doors this will open for you and will cement your own knowledge.
- 5 Set up one-on-one meetings with your team members so they can get to know you.
- 6 Get to know the other graduates across the business and start building your network.

Renita.Rajan@calibregroup.com | 09 525 9770

calibregroup.com

CIVIL & STRUCTURAL ENGINEERING | ADVISORY | SURVEYING



WSP is a world-leading design, engineering and environmental consultancy.

We are local experts with 150 years in Aotearoa.

We harness the know-how of our 50,000 global specialists to solve our local challenges.

We're looking for fresh talent to bring a new outlook and help create what matters for future generations. Start your career at WSP and make the extraordinary everyday.

Apply Now

Applications for our 2022 Graduate Development Programme are open 8-28 March 2021.

Apply here:
wsp.com/nz/graduates

Meet Us

Learn about WSP and our Graduate Development Programme.

Pizza and networking to follow the presentation.
5.15 pm Monday 15 March, Engineering Lecture Theatre 405-470.

Summer Internship roles are expected to open mid-2021.
wsp.com/nz/summer-interns



Josh Blackmore, Graduate Engineer Electrical, shares what a day in his life as a WSP Graduate is like:

7.30am

My morning starts on two wheels. The city is quickly becoming a great place to cycle around, and I find that a quick blast on the legs and the lungs sets me up well for the day.



8.30am

Cracking into work, my first task is to update a lighting model for a new primary school we're designing. It's pretty cool to know I'm helping provide world-class teaching facilities for future generations of New Zealanders.



10.00am

It's time for my monthly catch up with my mentor. WSP has a mentorship scheme that pairs new graduates with experienced professionals to help us develop personally and professionally.



1.30pm

I've come up against a tricky problem in my design, so I'm seeking the advice of one of our Senior Engineers. It's great to know I have his experience to consult if I ever feel out of my depth.



3.00pm

This afternoon I'm heading out to site to discuss one of my designs with a client. We try to minimise the impact our work has on the environment, so I take one of our snazzy EVs for the trip.



5.30pm

Work is done for the day, and now it's time to pop across the road for our weekly social touch game. It's a great way to get to know my colleagues outside of work and to keep myself fit.





ecoPortal

COME JOIN THE TEAM!



LET US INTRODUCE OURSELVES

ecoPortal began as a university venture by university students - and we're very proud and excited to continue developing our relationship with the University of Auckland year-to-year. Throughout the year, we provide opportunities for students and recent graduates to get fully stuck in with the ecoPortal family and gain tangible, pragmatic experience in the software industry, through our graduate jobs and our Summer Experience Internship programme.

ecoPortal is an enterprise risk management platform that enables medium to large companies manage their safety, environmental, sustainability and quality risks. Our software allows businesses to take more control and increase the likelihood of keeping their employees safe, of making their businesses more

sustainable and of managing the quality of their products and services from one integrated platform.

We empower leaders to better manage their business risks, giving thousands of their employees the opportunity to work in a safe and secure environment through better tools, information, and education. NZ's leading companies such as PAKnSAVE, New World, BNZ, Les Mills, Briscoes, Ministry of Justice and many more trust ecoPortal to manage a variety of business risks.

We are a value and purpose-driven organisation that fundamentally believe in being a force of good in the world. We believe everyone deserves to work in a welcoming, respectful and empathetic culture. We also believe in great coffee, table-tennis, pool and comfy couches (which we have in abundance) in our character space office in the Auckland city center, one the world's most liveable cities.

WHAT TEAMS MAKE UP ECOPORTAL?

Product Team

Our Product Team is responsible for driving continuous innovation for ecoPortal's suite of web and mobile platforms, while also ensuring ecoPortal's reliability and security. Our Product Team strives to continuously improve the ecoPortal platform and experience; bringing our customers new features and upgrading existing ones. They have a strong focus on product reliability and intuitive design.

Marketing & Sales Team

Our Marketing Team is made up of Digital Marketers, Copywriters, Graphic Designers and Video Specialists that work together to create ecoPortal's digital campaigns, email marketing programmes, and all other content and communications. Through these campaigns, the Marketing Team then provides our Sales Team with leads, who qualify and initiate prospects through the sales funnel.

Implementation Team

The Implementation Team, made up of Project Managers, System Analysts and System Configurators work closely with clients to ensure our system best fits within their organisational practices. Their work starts with project scoping to determine how best to improve our clients' processes, they then move onto translating these requirements into technically feasible solutions that follow best practices.

Customer Success Team

Our dedicated Customer Success Team, made up of Project Managers and Configurators, plays a key role in providing ongoing support to our customers - ensuring their success. The team operates by regularly seeking feedback from our customers.



Beautiful Health, Safety and Risk Management Software

"ecoPortal allowed me opportunities to grow as a software engineer faster than I expected. It's been a really rewarding process growing from that initial intern experience to my current Project Manager role."



TINA CHEN

Implementation Project Manager

SO, WHAT NOW?

ecoPortal is always looking for collaborative, analytical, creative and customer-focused students and graduates who are passionate and eager to begin building a career in software development.

Please check out the ecoPortal LinkedIn, or visit ecoportal.com and check the career section for any graduate opportunities.

To learn more about us, visit:

ecoportal.com



ARUP

"THERE'S **HUGE** EMPHASIS ON SUSTAINABILITY AND ENVIRONMENTAL WORK – WE CARE FOR THOSE AROUND US."

JAKE NARAN
.....
Graduate Engineer

When Arup people say we want to shape a better world, we really mean it. Sustainability is at the heart of our way of working, and our projects across New Zealand including: water, transport, energy, and healthy and safe precincts and places.

Our team is part of a generous, collaborative network of passionate specialists: we learn from each other as we tackle projects together. And as a global firm, it doesn't matter where you're based, you could be contributing to a project in one of 140+ countries.



Mayurie Gunatilaka
Group Leader, New Zealand

If meaningful work is important to you, Arup offers unlimited opportunities. Think about joining us in Auckland.



Our Graduate Development Programme closes on 14 April.
Find out more at arup.com/careers/early-careers/graduates/australasia-graduate-programme

WORK HARD, PLAY HARD AT EROAD



We're a growing technology company, inspired by an ambitious purpose – to make our roads safer and more productive.

Our engineering team is passionate about quality and building products that our customers can rely on 24/7, 365 days a year. These incredible humans are the beating heart of EROAD. But don't be fooled by the casual appearance, our team is incredibly talented – we just prefer sneakers over suits.

Besides, who plays table tennis in a suit? We work hard, but we know how to have fun too. Whether it's video games, guitars, table tennis, magic tricks or just catching up over coffee.

We're investing in young engineers so they can learn and develop the skills they need to set them up for a successful career. We asked 3 of our interns to share their thoughts on EROAD.



Describe EROAD TEAM in 10 words

LUCAS

Kind, passionate and have a growth mindset

FRANCHESKA

A passionate team that strives to make a difference

FELIX

Family of great people who work hard, and play hard

How has EROAD surprised you?

The products that each team was working on were very interesting and exciting

The support that EROAD gives their employees with their career development. I had a catch up with my manager and she asked me what my goals are for the future. She introduced me to the idea of looking into the other departments in the company to diversify my knowledge and have other prospects outside of engineering.

Lots of after-work activities. How friendly and relaxed the environment and team members are while also working very hard and getting so much done.

Funniest memory from your internship?

Slack emojis were funny

Wearing a sumo suit and trying to tackle the other workers at the Christmas party was funny

There were so many funny moments, but one of them would be when I got pranked into believing Jacob was half Korean after he started randomly speaking Korean phrases while playing table tennis.

Top learnings?

Having the privilege to touch on both frontend and backend has allowed me to learn a new tech stack

You want to be in a place where there's growth in the company. It shows that the company will be able to provide you with the opportunity to learn. Remember to take notes and study hard.

How to manage a healthy work-life balance.

Describe your manager in 5 words

Initially Ivan was assigned as my buddy, but throughout the internship process the entire team became my buddy and helped me out.

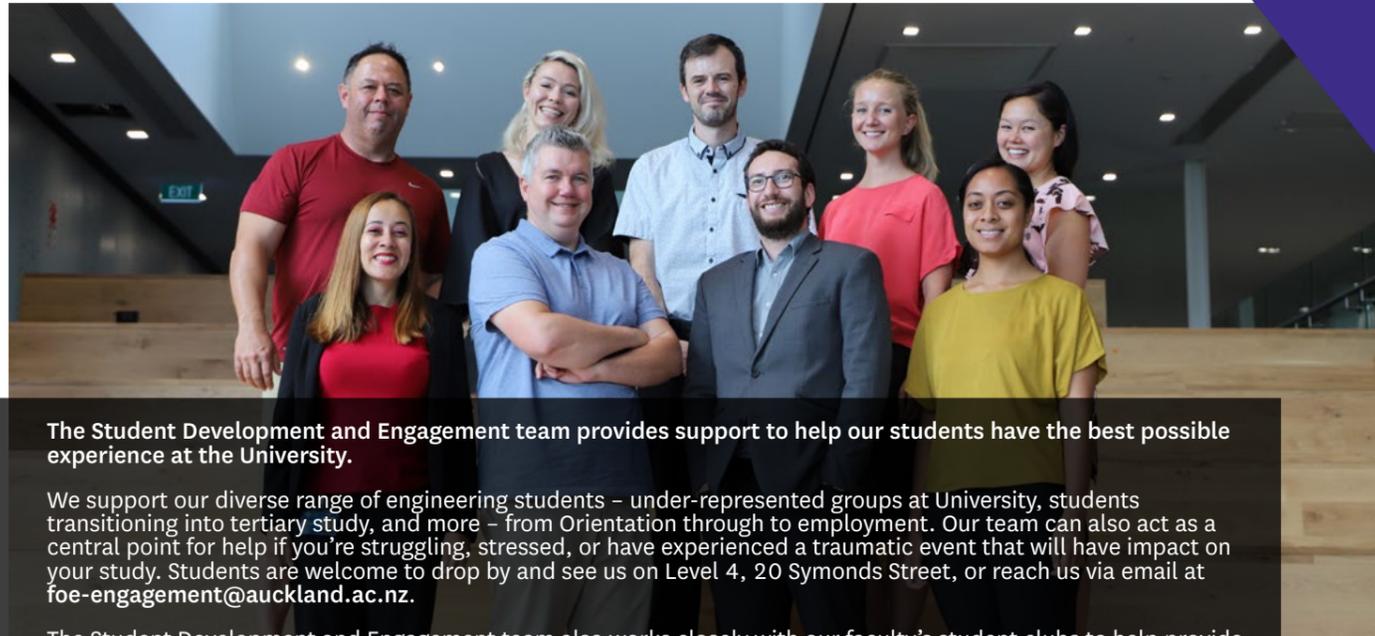
My manager is an inspiring and caring leader!

smart, reliable, supportive, troll, friend

Answer in 5 words:
Supportive and helpful

Find out more at www.eroad.com

Meet the Faculty of Engineering's Student Development and Engagement Team



The Student Development and Engagement team provides support to help our students have the best possible experience at the University.

We support our diverse range of engineering students – under-represented groups at University, students transitioning into tertiary study, and more – from Orientation through to employment. Our team can also act as a central point for help if you're struggling, stressed, or have experienced a traumatic event that will have impact on your study. Students are welcome to drop by and see us on Level 4, 20 Symonds Street, or reach us via email at foe-engagement@auckland.ac.nz.

The Student Development and Engagement team also works closely with our faculty's student clubs to help provide engineering students with social, professional and academic opportunities, and can also link you to support services such as counselling, financial assistance, mentoring, and childcare.

We are also responsible for initiatives such as Orientation, the Part I Assistance Centre, Women in Engineering Network (WEN), Tuākana for Māori and Pacific students, the Rainbow Engineering Network, information evenings with prospective employers, and the Postgraduate Buddy programme.

Michael Willimott | *Student Development and Engagement Manager* | 09 923 7881 | m.willimott@auckland.ac.nz
Michael manages development, engagement, support and retention initiatives to enhance students' experience.

Chris McClymont | *Student Development and Engagement Team Leader* | 09 923 2927 | c.mcclymont@auckland.ac.nz
Chris works closely with the Student Experience Advisers and Student Support Advisers to support undergraduate and postgraduate students, and provide development opportunities for all students.

Alcione Fagundes | *Student Support Adviser (Equity)* | 09 923 2990 | a.fagundes@auckland.ac.nz
Alcione supports all engineering students with their wellbeing, pastoral care and learning support. She is also the primary Student Support Adviser for equity students.

Steve Roberts | *Student Support Adviser (Māori and Pacific)* | 09 923 4538 | s.roberts@auckland.ac.nz
Steve supports all students with their wellbeing, pastoral care and learning support. He is the primary Student Support Adviser for Māori and Pacific students.

Jonathan Culley | *Employer Liaison Manager* | j.culley@auckland.ac.nz
Jonathan facilitates employer networking and fosters industry relationships, along with graduate and intern recruitment. He also provides advice and support to students on career options.

Kelly Moodie | *Women in Engineering Adviser* | k.moodie@auckland.ac.nz
Kelly supports WEN, as well as provides advice and support strategies for Women in Engineering.

Meleane Akauola | *Student Support Adviser* | m.akauola@auckland.ac.nz
Meleane supports all engineering students with their wellbeing, pastoral care and learning support. She is also the primary Student Support Adviser for international students.

Monique Warder | *Project Manager, WIE33 Project* | m.warder@auckland.ac.nz
Monique manages our WIE33 project, designed to increase the representation of undergraduate engineering students.

Caitlin Scragg | *Student Experience Adviser* | c.scragg@auckland.ac.nz
Caitlin supports all engineering students with their wellbeing, pastoral care and learning support. She also coordinates our Part II Academic Assistance Centres.

Courtney King | *Student Experience Adviser* | courtney.king@auckland.ac.nz
Courtney provides a range of development, transition and engagement activities for all students. She works closely with Campus Life and the faculty's student clubs.

Faculty of Engineering UPCOMING RECRUITMENT EVENTS

WSP INFORMATION SESSION

15 March, 6pm | 405-470 | 3 Grafton Road

HOLMES CONSULTING INFORMATION SESSION

16 March, 6pm | 401-439 | 20 Symonds Street

DOWNER INFORMATION SESSION

17 March, 6pm | 401-439 | 20 Symonds Street

GHD INFORMATION SESSION

18 March, 12pm | 401-439 | 20 Symonds Street

JACOBS SCHOLARSHIPS INFORMATION EVENING

22 March, 6pm | 405-460 | 3 Grafton Road

This event is specifically for Part II and III students

FONTERRA INFORMATION SESSION

23 March, 6pm | 401-439 | 20 Symonds Street

TONKIN + TAYLOR INFORMATION SESSION

24 March, 5.15pm | 401-439 | 20 Symonds Street

STANTEC INFORMATION SESSION

25 March, 6pm | 401-439 | 20 Symonds Street

FREQUENCY INFORMATION SESSION

29 March, 6pm | 405-460 | 3 Grafton Road

EY ENGINEERING STUDENT & GRADUATE INFORMATION EVENING

30 March, 6pm | 401-439 | 20 Symonds Street

PDP INFORMATION SESSION

27 April, 6pm | 423-340 | 23 Symonds Street

SOCIETY OF FIRE PROTECTION ENGINEERS (SFPE) INFORMATION SESSION

11 May, 6pm | 401-439 | 20 Symonds Street

STEM EXPO

28 and 29 April

10:30am – 2:30pm

Science Centre Foyer, Building 302

23 Symonds Street

No registrations needed — just turn up!

Places are limited for most events. To register for an event, visit <https://tinyurl.com/eyc-events>



Together we... Create. Construct. Deliver.



Mikaela
Safety & Risk

Farhana
Electrical

Max
Process

Why Worley?

Perhaps it's our straight to the point, no-nonsense attitude that's played a hand in the respect we've earned among clients and colleagues, and the amazing success story we continue to enjoy. One thing is for certain however – as New Zealand's leading provider of industrial design, build and maintenance services, we can provide the career challenge, project scope and professional opportunities you simply won't find anywhere else.

Worley provides graduates a stimulating environment where hard work, creativity and intellect are rewarded with ample opportunities for career progression, on the job learning and world-class mentoring.

We combine the brightest minds, with the latest technology to help create the best solution – Welcome to Worley.

Contact our people team to discuss the exciting opportunities we have available:

Email: recruit@worley.com **Phone:** +64 6 968 8850

- Process
- Mechanical
- Instrumentation and Controls
- Civil/Structural
- Electrical
- Safety and Risk



worley.com

Worley
energy | chemicals | resources