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Waipapa Taumata Rau
NEW ZEALAND

ENGINEER YOUR CAREER

Information from Industry for Student Engineers

SUMMER 2024



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Developed Consultants Ltd.





Discover our internship or grad programs - designed to prepare you for a successful career in the trading industry - no finance experience needed.



Apply via our website. Applications open from Feb-April.

Application process?

We're on the lookout for passionate individuals with a creative mindset and a genuine eagerness to learn. Our application process includes an initial online test, phone screen, and take-home test (for software engineering roles only), followed by face-to-face interviews.

SUMMER TRADING INTERNSHIP

A ten-week program, designed for penultimate university students eager to learn more about the trading industry. Gain hands-on experience working in real trading and simulated environments and contributing to meaningful projects aligned with VivCourt's strategic goals.

Recommended degree: STEM major/minors with strong mathematical components.

REIMAGINING THE PURPOSE OF A TRADING FIRM.

We're an ambitious team of conscious capitalists going toe-to-toe with the world's leading trading firms. We use technology and data to trade diverse assets and execute various trading strategies on the world's financial markets.

Employee wellbeing and growth is at the heart of our ethos, and through our unique corporate structure, we create a positive impact by sharing our profits with our people and purposefully chosen social causes.



GRADUATE SOFTWARE ENGINEER

Collaborate with Engineers and Traders to design, build and support our software and hardware systems that drive our automated trading systems. Cultivate the skills and expertise necessary for spotting avenues to improve and support our trading strategies.

Recommended degree: Computer Science or degrees with strong computing components.



GRADUATE TRADER / QUANT TRADER

Collaborate with other Traders and Engineers in the design, optimisation and operation of our automated trading systems and strategies. Explore new trading opportunities, analyse and navigate their associated risks, and model financial behaviour.

Recommended degree: STEM major/minors with strong mathematical components.



Evander Patel

Graduate Engineer Transport and University of Auckland civil engineering graduate, shares what a day in his life is like as a WSP Graduate in Tāmaki Makaurau Auckland:

 **7.45am**

My journey into the Auckland office takes 30 minutes. WSP has a hybrid work structure, but I really enjoy making the most of being in the office alongside my team.

 **8.15am**

When I arrive to the office, I start by checking my emails and Teams messages, which allow me to plan my day effectively.

 **8.30am**

Task 1 of the day involves resolving comments for an intersection upgrade in New Plymouth. We are using Civil 3D and AutoCAD software to complete the design.

 **10.00am**


Today we have our fortnightly in-person team meeting. The primary focuses include individual workload, upcoming jobs, and team utilisation.

 **11.15am**

I work on a spreadsheet of potential site risks for tomorrow's Safety in Design meeting.

 **12.30pm**

Middy means lunchtime! I usually bring something from home, but today we are lucky enough to have a company provided shared lunch.

 **1.00pm**

I have a site visit this afternoon in Kumeu in preparation for a road safety barrier design project. I take measurements and identify obstacles that may hinder the design process.

 **5.00pm**

Done for the day! I'm greeted to great weather as part of my journey home.

 **7.00pm**

I try my best to keep active in my free time after work. Tonight, I have Football out at Western Springs.

WSP is a world-leading engineering, design, and environmental consultancy that creates what matters for future generations.

Our Graduates and Summer Interns are the foundation of our future. That's why we are actively recruiting university students and recent graduates like you to be part of our team.

We are hiring throughout our 30+ offices that span Aotearoa New Zealand, across a variety of disciplines, including engineering, engineering geology, architecture, planning, environmental science, ecology, GIS, property, data science, and economics.

Consider a career with WSP

Our 2025 Graduate role applications are open 27 February - 21 March 2024. Apply here: www.wsp.com/nz/graduates

Applications for our Summer Internships are expected to open July 2024. www.wsp.com/nz/summer-interns

Meet us

Learn more at our presentation, followed by networking and pizza, on **12 March 2024 from 5 - 7 pm at LibB10/109-B10.**



LUCI TRETHERWEY

ENVIRONMENTAL ENGINEER
WATER INFRASTRUCTURE

BE (Hons) Natural Resources Engineering



Tell us about your journey at PDP

I chose environmental engineering as a way to practically bridge the gap between people and ecological systems, in how we rely on natural resources to live and thrive. This is particularly relevant in Aotearoa New Zealand, as our freshwater, coastal and beautiful flora & fauna are an essential part of our identity and history. I started at PDP as an enthusiastic intern, ready to learn what this could look like once I finished studying. I found myself part of a team of sincere and clever individuals who use their skills in water engineering for the good of our communities.

I was delighted to start as a graduate at PDP soon after, with a degree under my belt (yes, the long four years of study does end!) and lots of challenging projects coming my way.

What is your favourite part of working at PDP?

My favourite part of working here is the opportunity to learn from brilliant leaders in the water field, an often under appreciated industry in New Zealand. We are coming more to the forefront through, with pressures from climate change and decades of neglected critical infrastructure forcing decision makers to pay more attention to what we do.

At PDP, I get to be a part of the team seeking to solve these problems, helping councils to renew their assets and protect public health as well as our precious environment.

What advice would you give to graduates?

PDP puts people, and the environment at the centre of what we do. If you are passionate about being a kaitiaki for future generations in Aotearoa, and want to put your hard-earned skills from engineering school to use, you will find yourself surrounded by like-minded people at PDP as a graduate and beyond.

I feel grateful to work in this space and help with very urgent and important issues facing our neighbours and whānau today. Come and join us at PDP to make a difference, one step at a time!

ABOUT PDP

PDP are one of Aotearoa's fastest-growing environmental science and engineering consultancies. Our team of experts delivers a range of solutions to our clients' environmental challenges. We cover everything from air and land to water-related projects.

We take pride in being a Kiwi employee-owned and operated company with over 35 years of operation throughout Aotearoa New Zealand, Australia, and the Pacific Islands.

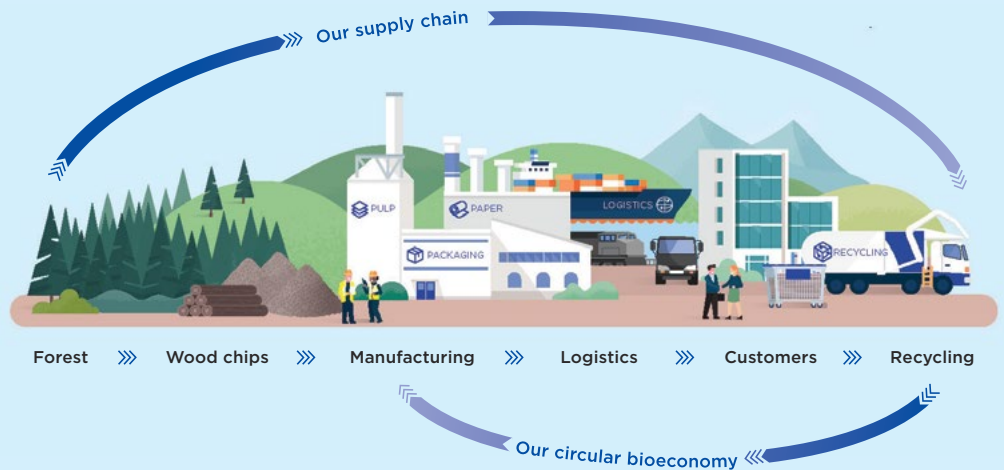
Our offices are in Northland, Auckland, Hamilton, Tauranga, Hawke's Bay, Wellington, Nelson, Christchurch, Central Otago, and Invercargill.



Oji Fibre Solutions (OjiFS) is the largest integrated pulp, paper and fibre-based packaging manufacturer in New Zealand.

We are proud to create value from natural resources and be a key contributor to the circular bioeconomy, facilitating the move from fossil-based materials towards renewable and recyclable alternatives, and more sustainable consumption.

Creating sustainable solutions to make a difference every day



>>> Kick start your career with our 2-year Graduate Programme

We know our greatest strength is our people, and the quality of those that lead them.

That's why we created a 2-year Pulp and Paper Graduate Programme at our Kinleith and Tasman Pulp & Paper Mills. This Programme develops the technical, teamwork and management skills needed for graduate engineers to grow and ultimately progress to become our leaders of the future. If you're a problem-solver, motivated by the opportunity of working in a large-scale manufacturing environment, where every day is challenging, different and exciting, we want to hear from you!



Come visit our Team at the University of Auckland STEM Fair in April 2024 to learn more about our Graduate Programme first hand from our current and past graduates.



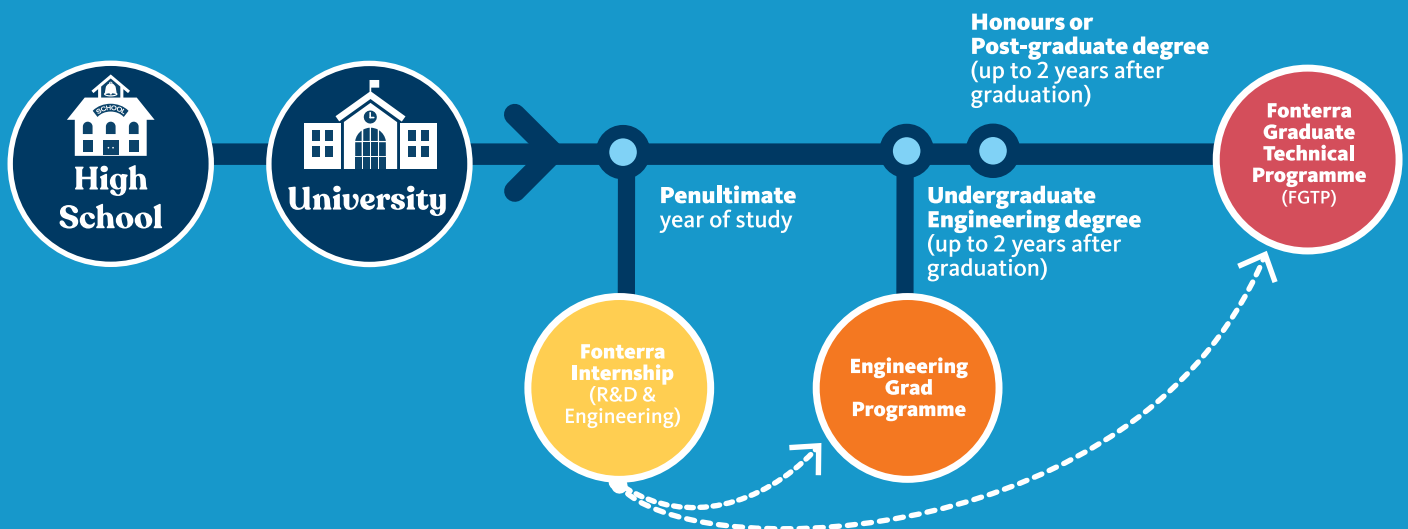
Make something to your career.

Discover Your Engineering Path here at Fonterra.

Embark on a journey of innovation and growth with Fonterra's early career programmes, tailored for passionate engineering and STEM students eager to shape the future. Whether your heart lies in science, engineering, or the evolving landscape of food production and innovation, our opportunities pave diverse paths for you to accelerate your success.

Dive into a global perspective through our 15-month Fonterra Graduate Technical Programme (FGTP), where you will earn a Masters in Dairy Science and Technology. Alternatively, immerse yourself in a 18-24 month Engineering Graduate Programme, becoming a subject matter expert in the field. Our immersive rotations within core teams empower you to explore your interests and make meaningful contributions, shaping your trajectory in the dynamic world of dairy.

Seize the chance to gain hands-on experience with our summer internships, either at our world leading Research and Development Centre or at our premier manufacturing sites across New Zealand. At Fonterra, we don't just offer a job; we provide a platform for you to thrive, innovate, and contribute to the future of engineering and technology in the dairy industry and beyond.



For more information visit

Fonterra.com/earlycareersnz or scan QR code

or email earlycareers@fonterra.com

We'd love to hear from you.



Follow us on social media @fonterraearlycareers



Hear from some of our Engineering Grads who have made something of their career at Fonterra



“What was very evident to me early on in my career at Fonterra is just how much time and effort the company has to ensure they are developing talent and future leaders.”

Ryan Gwynn

Maintenance Manager, Stirling Site

Tell us about your current role and a key project you've led or been involved with that you're proud of.

I'm currently the Engineering Manager at the Fonterra Stirling site in South Otago. I lead both the maintenance and utilities teams. My proudest project, though I've only been here a short while, is getting our new biomass boiler up and running and meeting all the regulations. This is a big part of Fonterra's sustainability goals, and it actually made Stirling the first carbon-neutral site in the company!

How did the Fonterra Graduate Technical programme set you up for success in your career?

The Graduate Program wasn't just a great start to my career, it was one of the best years of my life! I got to travel all over New Zealand and meet some amazing people.

The program gave me both the technical knowledge and the soft skills I needed to do well in any job. I learned on the job, in classes, and even got mentorship from some of the company's top leaders. I realized early on how much Fonterra invests in developing its future leaders.



“The technical graduate programme provided a broad understanding of different roles and helped me build a strong network, setting a solid foundation for my career.”

Holly Cumming

Account Executive, Paediatrics, Advanced Nutrition

Tell us about your current role and a key project you've led or been involved with that you're proud of.

Currently, I'm an Account Executive in the Advanced Nutrition Sales Team. It's an interesting shift from my engineering roots but I'm loving it!! In my role, I work closely with customers, understanding their needs. I collaborate with various Fonterra teams to find the right ingredients. Despite Fonterra being known for cheese and milk, I deal with lipids, proteins, hydrolysates, lactoferrin, and more. I'm proud of the growth I've seen in my customers due to our collaboration, especially in a recent project on protein bars.

How did the Fonterra Graduate Technical programme set you up for success in your career?

After university, I was uncertain about my path. The program exposed me to manufacturing challenges, research projects, and hands-on experiences at the R&D Centre. It also provided commercial insights and leadership courses, giving me a broad understanding and building a strong network.

Consider a **career** in **PROJECT MANAGEMENT**

The Frequency Graduate Programme is the gateway to your professional and personal growth journey. It will equip you with a diverse skill set crucial for success in the construction industry.

frequency

We look for energetic people from the following disciplines:

- Building Sciences
- Engineering
- Architecture
- Design
- Construction Law
- Quantity Surveying
- Property and Planning
- Trades

Applications are open now and close April 2024.

For more information go to frequency.nz/graduates

Frequency graduate
Hayden van Beek on a site visit

Work alongside some of our industry's most experienced professionals.

Our programme offers a blend of autonomy and support in an inclusive culture that will empower you to learn on-the-job from the best in the business.



Frequency graduates



“

I was placed into a project team right from the start, interfacing with clients and other consultants. It has been an awesome experience and I would highly recommend this programme.

Isaac Tai
Frequency Graduate



GOT QUESTIONS?

Find us at The University of Auckland **2024 STEM Expo!**

Tuesday 16 April 10.30am-3pm
Engineering building

Follow us on social

 frequencyprojectsnz

 frequencyprojects

 frequency

Want to help deliver sustainable energy to Aotearoa?

Contact Energy is committed to leading the decarbonisation of Aotearoa, and **you can help us on our journey!**



Izzy McMinn

My job in the engineering team at Wairakei involves investigating issues and helping to design new plant and processes. It involves calculations, drawing and research, as well as hands on engineering. **I'm stoked that I get to use the skills from my degree every day!**

Something that I didn't expect about working here was how easy it would be to chase my own passions within the business and learn what I want to learn. The work I do is not too far removed from the real world. It's easy to see how decisions made in the office influence the power generation that fuels New Zealand.

Being in the grad programme is a steep learning curve, but I enjoy every opportunity to explore and challenge myself, knowing that **I keep learning new things every day while being supported by the people around me.** It's also fascinating to see the things we do here has a critical value to the country, and how the amazing people here in Wairakei work together and give their best to achieve the common goal to keep the lights on.



Flavia Purnomo

Over our 25-year history, we've built a flexible and largely renewable portfolio of electricity generation sites. We own and operate 11 power stations and produce 80-85% of our electricity from our renewable hydro and geothermal stations.

As well as engineers, we've also welcomed graduates from **science, technology, IT, commerce and mathematics backgrounds** in our graduate programme.

Designed to create the best experience possible, graduates are part of an 18-month rotational programme where they will get to experience working with different teams aligned with their interests and skills.

We learn as much from you as you do from us!

Benefits of working with us:

- Flexible mahi
- Discounted power
- Access to our wellbeing hub, Clearhead
- \$400 annual 'Good to Be Home' payment
- Employee social networks - Women's Network, Māori and Pasifika Network, Pride Network and Wellbeing Network
- And so much more, including heaps of corporate discounts!

Find out more by scanning the QR code below.





Experts in designing a better planet

Have you considered
a career in the

**Construction
Industry?**



Interested in working at ACCIONA?
Learn more by scanning the QR code

www.accionaco.nz



**“It’s rewarding
to see how far
I’ve come.
Holmes has
supported me
all the way.”**

Eva Rewiri

Engineer your career



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

Super easy! I was in both the structures and infrastructure teams during my internship, so the office was filled with familiar faces. Being acquainted with the Holmes processes made it a smooth transition, too.

AS AN INTERN, WHAT IS SOMETHING THAT SURPRISED YOU ABOUT HOLMES?

I was pleasantly surprised by the support provided by the Holmes team. Engineers at every level willingly answered my questions and ensured I understood the background behind tasks. It was also super cool to enter a workplace where everyone enjoys spending time together at work and socially.

WHAT INSPIRED YOU TO BECOME AN ENGINEER?

I was inspired by the rebuild of my hometown Christchurch following the earthquakes. It was amazing to see new buildings go up and watch the city come to life. I was also keen on maths and physics and decided an engineering degree was the perfect fit.

DESCRIBE HOLMES IN THREE WORDS...

Technical, collaborative, supportive.

WHAT'S BEEN YOUR MOST CHALLENGING PROJECT?

My biggest efforts have been dedicated to a concrete tank design project for a new wastewater treatment plant. I found this project challenging as it involved many first-time experiences for me. I learnt how to use a new modelling software and delved into an unfamiliar code for the storage of liquids. I now feel confident using these tools, and it's rewarding to see how far I've come in mastering these topics.

Ask lots of questions and learn from the experts around you!

WHAT'S BEEN THE BEST THING ABOUT WORKING FOR HOLMES?

The projects! Holmes work is super diverse, ranging from large-scale endeavours to smaller, equally interesting tasks. I've already had exposure to projects involving bridges, wharfs, tanks, and even a bathroom sink. Each project comes with unique complexities, and it's great to be involved in such a wide range of work early in my career. Other notable highlights are the coffee machine, office location and treats for completing your timesheet!

HOW WOULD YOU DESCRIBE THE CULTURE AT HOLMES?

I would say Holmes embraces a bit of a 'work hard, play hard' ethos. Everyone is eager to knuckle down and collaborate on tricky problems, as well as unwind and have a good chat over Thursday pizzas, or go for a run. Holmes boasts a fantastic family-like culture which makes the office a super enjoyable place to be.

WHAT WAS THE MOST CHALLENGING PART OF LEAVING UNIVERSITY AND STARTING WORK FULL-TIME?

One of the biggest challenges for me was the shift from the freedom of a university timetable to the more structured working hours. Managing my time at work and ensuring I'm on the ball when needed took some getting used to. Now that I'm settled, I love having my weekends free to fill as I please.

ANY ADVICE FOR NEW GRADUATES?

As a graduate, everything is new and you are always learning. Don't hesitate to ask as many questions as possible and gain insight from your colleagues. With years of industry experience, most are eager to support the next generation. Take advantage of this and pick their brains!

Join us for our University of
Auckland recruitment evening

5pm, Monday 18 March
Room 401, Building 401,
School of Engineering
20 Symonds St, Auckland CBD

Scan this QR code
for more details on
how to apply.



YOUR CONSULTING



CAREER STARTS HERE

A global leader and pioneer in business strategy, Boston Consulting Group (BCG) works closely with giants in the corporate world and society to take on their most important challenges and tap into their greatest opportunities.

We go beyond ideas to design solutions and implement meaningful action. We're dedicated to helping our clients do amazing things and unlocking the potential of those who advance the world. Join us, and you can too.

Join BCG New Zealand or Australia and experience management consulting at its best.

Visit our website to learn more about our **Graduate Associate recruitment, Scholarship programs and upcoming events.**



**Fatema
Rampurawala**

Growing up, I was fascinated by how things work, which led me to study Mechanical Engineering and Finance at the UoA. This combination of degrees was my first step towards a career that blends creativity with practical problem-solving.

Working as a junior management consultant at BCG is like being a part of a rapid, ever-changing world. In just one year, I've worked on projects in more than five industries, from energy and gas to a veterinary chain, cinemas, and insurance companies. It's amazing how my engineering background helps me here. It's all about breaking down big challenges into smaller, more manageable parts – something engineers do all the time.

BCG is a place for those who love challenges and enjoy being surrounded by smart and kind people. Every day is a new adventure, filled with learning and teamwork. If you're looking for a job that keeps you on your toes, is exciting, and lets you work with some of the best minds around, BCG could be the perfect fit for you.

BCG Graduate Associate program

BCG hires Graduate Associates annually in February/March. We seek students with exemplary academic achievements, keen analytical abilities, and strong interpersonal skills. From day one, we provide hands-on training, team support, and a seamless transition into the business world, partnering closely with clients for optimal solutions.

BCG Scholarship and Early Intake program

BCG annually offers three \$20,000 scholarships in April/May. Penultimate-year students who are ambitious, regardless of background or degree, are welcome to apply! The Scholarships on offer are for students who identify specifically as:

- **Female or Non-Binary** student
- **Indigenous** student
- **Open category** student



Beyond is
where we begin.





Work with us. Change the world.

We believe infrastructure has the power to uplift communities and improve people's lives.

Delivering a better world

choose your adventure

more than a job

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 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.

You'll have the chance to work alongside industry leaders on exciting projects that help shape and connect our cities and communities.

In addition to our Graduates, we recruit many students for internships over the summer, offering fantastic insight into the industry and real-world experience

How we select

Your application for a graduate role will be assessed through a staged approach, including initial application review, online strengths based assessment, followed by a face to face / online Interview.

Apply online

<https://aecom.com/australia-new-zealand-graduate-careers/>
Graduate Applications open 7th March 2024, closing 7th April 2024.
Summer Internships open July 2024.

AECOM

Your career journey *starts here*

At Aurecon, our mission as designers, engineers and advisors is to bring ideas to life and co-create a better future for people and the planet.

A meaningful and exciting career journey awaits you by joining us as an intern or graduate. Our early career programmes are designed to guide you through a learning discovery and will provide an opportunity to bring your best self to work every day.

Are you ready to take the next step with us?

READY?

aurecon

Bringing ideas to life

*Whakahā ngā whakaaro
Kia māia, kia kaha, mahi tahi*

aurecongroup.com/graduates

Who are we?

Aurecon is a design, engineering and advisory company. Our purpose is bringing ideas to life, to imagine and co-create with our clients a better future for people and the planet.

Our culture of 'Believe it. Say it. Do it.' reflects our deep commitment to our clients and each other to build trust and create a better future together.

We are here to help you reach your career destination

Whether you want to explore different career pathways or help create a better future for people and the planet, we've designed our early career programmes to guide you through a rewarding journey of learning and discovery. You will gain experience working on real projects with designers, engineers and advisors across different teams, disciplines and backgrounds.

As you grow professionally and pick up essential on-the-job skills, you will be well prepared to advance to the next stage of your career.

Why join Aurecon's graduate programme?

Our two-year programme delivers a fun and meaningful learning experience for graduates like you, as you embark on your journey to shape your professional career. From day one, we will pair you with an onboarding buddy to help you smoothly transition into your role and familiarise you with your workplace. Your team leader will also provide guidance and support to help you achieve your career goals.

As a permanent employee, you will have access to learning opportunities to develop essential skills, including: a variety of internal educational resources available at Aurecon; mentorship and coaching; and on-the-job experiences, preparing you for the future and helping you grow both personally and professionally.



Apply now

Graduate applications open:
21 February – 7 April 2024

Internship applications open:
June 2024

Anthony Ripley

Electrical Engineer, Energy & Industrial



University attended: University of Auckland
Degree qualification: Bachelor of Engineering

What inspired you to study engineering?

Growing up in a family of engineers in Samoa, I spent a lot of time listening to their conversations which sparked my curiosity for engineering. I was also good at math and science in high school and when a South Pacific representative from the University of Auckland visited my high school, I knew engineering was something I wanted to pursue.

Can you tell us about your role and the team you are part of?

I am in the Power Transmission and Distribution team, under the Energy & Industrial service group. I work on the earthing and bonding of train stations which are safety measures to protect commuters from electricity. I create earthing and bonding designs which show the connection between the electrical equipment and metal structures like fences, pipes, benches, signs and handrails, within and around train stations. I also put together reports and specifications that outline important standards and requirements which go into designing the system.

I work with a range of people both domestically and abroad, including engineers, consultants, and modellers. These people span various industries like power transmission and distribution, renewable energy, infrastructure services and transportation. I also regularly attend client meetings to understand their requirements better to help them develop the best solutions. I am proud to be part of a team that continuously aims for excellence.

What's the best thing about your job?

Having the opportunity to visit project sites and witness first-hand what I have been working on has been invaluable. On-site experiences offer practical insights that go beyond what the classroom can provide. Seeing things in person has reinforced my theoretical knowledge which has been enjoyable and humbling.

What advice would you give to someone thinking about joining Aurecon's graduate programme?

University can only do so much in preparing you for the realities of industry. The Aurecon graduate programme is a great way to gain real industry experience and to take charge of your learning and development. Remember to back yourself 100%, embrace the fear of failure, and learn and grow from the mistakes along the way!



TRANSPOWER

When Transpower is your mahi, Aotearoa is Powered by you



If you're interested in electrifying the motu as we strive towards a zero-carbon future then check out the Transpower graduate programme.

Joshua
Mechatronics Engineering





“

Everything is planned out and organised for the graduates. It's obvious that Transpower has put a lot of effort into ensuring we felt well-supported as we transitioned from students to working in the industry.

Hanna
Electrical and Electronic
Engineering

Be part of our exciting work empowering the energy future of Aotearoa New Zealand.

Every year we welcome engineering grads to our two-year, structured and supportive programme designed to extend and challenge you.

You'll explore a variety of teams and work, then choose your career path in an area that suits your talents and passion.

Be supported by those who have gone before and find your whānau in any number of our Communities of Transpower – Ngā Rangatira mō āpōpō - Young Professionals Community, the Sustainability Collective, Whakamana Wāhine, Neurodiversity, Whanaungatanga and more!

Interested?



Applications open mid-March for engineering students to start our programme in February.

transpower.co.nz/JoinUs

Q&A with Jason Wu, Graduate Transportation Engineer

Tell us about Beca Grad programme?

The Beca Grad programme is like getting your first smart phone, there's so much to explore, so much to learn, and most importantly, it's exciting! There are endless opportunities here that will help you develop the skills you need in your field as you work here. Regional wide professional development sessions are hosted every month to ensure that you are in control of your own future and growth, allowing you to thrive in what you enjoy the most. Beca places a lot of effort to ensure that their graduates recognise their potential to grow into who they want to become.

What do you love about your job?

“
He tangata, he tangata, he tangata. It is the people, it is the people, it is the people.”

The team I work with has essentially become my second whānau. The ones around me regularly check-in with me to talk about how I feel, what I enjoy and what I wish to develop more in. Work is never the same and I am able to work in a variety of different projects. Most importantly, here at Beca it's not only about delivering work, but also ensuring that we celebrate our efforts together.

What advice would you give to future graduates?

Be yourself, and be happy! Choose the path you feel is right and go with the flow, there are so many opportunities out there, and each opportunity you take is another step closer towards your goal! It's never too late, and it's never too early, so go out there and explore everything you can!

How do you apply for our summer internships and graduate programme?

Each year we employ up to 200 graduates and 80 interns across New Zealand and Australia. We have a range of graduates joining us from science, engineering, planning, arts and IT, just to name a few!

Applications for our 2025 Graduate programme are open 6th March – 1 April 2024. **Follow us on Facebook and Instagram @BecaGraduates. Join the Beca family!**

www.beca.com/becagrad



Small but mighty: Initia offers a wide range of experience on major projects for new grads



Kieran Bursell joined New Zealand geotechnical specialist firm Initia two years ago after his first three years at a large consultancy. Since then, his career as a geotechnical engineer has gone from strength-to-strength and he hasn't looked back.

One of the things Kieran enjoys most about his job at Initia is the variety. Each day is different and covers anything from managing geotechnical investigations and visiting construction sites to undertaking complex geotechnical designs for a range of major projects.

Some of Kieran's current projects include the \$1billion Ohinewai Sleepyhead Estate development and the new Auckland Surf Park. For the Sleepyhead Estate, Kieran designed ground improvement works to address major liquefaction and settlement risks.

The Auckland Surf Park will be New Zealand's first man-made surfing facility including a 2 h.a. Surf Lagoon. For this, Kieran provided geotechnical analysis for earthworks, infrastructure and building foundations.

Earlier this year, after the Auckland Anniversary floods, Kieran was also part of the front-line emergency response. He and his colleagues visited affected cliff-top properties around Auckland's coastal fringe and provided guidance to owners around damage and further risk.

It's the kind of immediate, agile and hands-on approach Kieran loves about his job, and what led him to join Initia two years ago.

Before making the shift, Kieran felt his professional development had stagnated. He'd become good at specific tasks, but felt he lacked experience and exposure in other areas of geotechnical engineering. For Kieran, those gaps reflected the setup of his then-workplace.

"Within a larger consultancy, it was quite easy to get pigeonholed in your role doing repetitive tasks," he says. "The company had a wealth of great resources, formal training sessions and processes to follow. However, it was sometimes challenging to seek training and support on the job."

So, as Kieran says, the shift to Initia was about getting the best of both worlds. With a team of 25, Initia works closely together on big projects, which means there's a lot of support from senior engineers for team members wanting to gain experience in different areas, Kieran says. Alongside that, the company has a wide range of projects, including major developments, which

means ongoing technical development and exposure to different areas of the field.

"Everyone gets to work on a huge range of tasks and my career progression has accelerated drastically because of this," Kieran says.

Kieran says the leadership of senior engineers, who set the tone with their "hands-on" approach to work, has been integral to his development in the past few years. It's a *"team culture where everyone contributes, shares expertise and helps each other out"*, he says.

For these reasons, Kieran recommends new grads consider applying for roles at companies like Initia where they'll get a broad range of experience on both big and small projects. *"Since starting at Initia I've worked on some really big and exciting projects. While our team is smaller, we are a tight-knit group and we consistently deliver great results for our clients,"* he says.

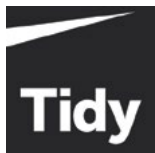
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Stephen Parinas

Biomedical Engineer

How did you hear about Tidy?

"I had a friend, who did Biomedical Engineering with me in university, that worked at Tidy as a graduate engineer. I was looking for an internship in software and he mentioned Tidy were hiring software interns for the 2023 winter break, so I decided to apply and later got in. Since then, I continued interning at Tidy during the semester, transitioning to a graduate role by the end of the year when I finished my studies."

When Stephen started, he was involved with the frontend development of Tidy Clinic. He became more familiar with Tidy's software, while picking up necessary skills to work with the code base, through working on small tasks and features.

His role allowed him to work on the backend and the front end of TidyClinic, providing him with a more well-rounded perspective on how the application works. Very recently, he has also been involved in providing software support to assist our customer success team with answering software-related questions from customers.



Stephen describes working at Tidy as *"a very pleasant experience. Most of the team were around my age and very friendly, which made it easier for me to relate to and get along with everyone"*.

Tidy offers a lot of flexibility. Stephen usually works from home but goes into the office once a week. He was able to work remotely for Tidy while overseas for the 2023-24 summer, allowing him to be with his family, who live in the Philippines. *"I really appreciated the time I was able to spend with them after not having seen them for a few years"*.

"the experience showed me the collaborative nature of software development, and how there is so much more to it beyond just writing code"

Stephen comes from a biomedical engineering background, and so coding has mostly been used to solve computational problems with pre-defined solutions. He has learnt that it is very different when developing software in industry- *"the problems are much more open-ended, solutions require more consideration beyond just the technical aspects, and the process is very iterative to adapt to evolving needs"*. Through working at Tidy, he has been able to improve his coding skills and pick up new languages. He says that *"most importantly, the experience showed me the collaborative nature of software development, and how there is so much more to it beyond just writing code"*.

For his intern project, he developed a desktop application to integrate TidyClinic with Sidexis, a dental imaging application. *"I found this to be the most interesting as I got the chance to work directly with one of our stakeholders, who are a healthcare practice from Tauranga. I was able to meet with them on-site and observe the workflow in their clinic, which allowed me to gain a better understanding of their requirements for the app I was designing and how it would be incorporated into Tidy's software"*.

Who Are Tidy?

For over 10 years, Tidy has been delivering stock and project-based management solutions to businesses.

Our powerful, delightfully simple, cloud software helps companies worldwide to cost, control and deliver projects or manage the stock they process and sell.

Apply Now



We hire interns across diverse backgrounds, from software engineering to engineering science, biomedical engineering, commerce, design, and more.

Talk to us and find an internship to match your unique skills.

To find out more, visit tidydigitalsoftware.com/tidy-careers

Practical Work Assistance Centre

Are you struggling to understand parts of ENGGEN 499?

We have a peer to peer support service available to help you! Some of your experienced Part 4 peers who have already completed ENGGEN 499, will be available to answer any questions you have. Queries ranging from where to search for jobs, where to get CV help, questions on personal experience with internships, how to submit reports - and so on! This service is available for all BEHons students.



Starting week two of the Semester, you can drop by the Assistance Centre on the right hand side of the level 3 Leech study space. Look out for the Practical Work Assistance Centre Banner and Mentors in maroon coloured hoodies or t-shirts.

For details on when the drop in sessions and held and more information on the Practical Work Assistance Centre and ENGGEN 499, visit the [Practical Work Web-pages](#)



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