

ENGINEER YOUR CAREER

Information from Industry for Student Engineers

AUTUAN

A career at Lancom Technology gives you the opportunity to learn everything you'll need for a successful career in tech

We're growing quickly and so can you

We give our grads the opportunity to learn A LOT in a compressed amount of time, accelerating their development and opening up a world of possibilities





"At Lancom Technology I learnt a lot about everything. It's not a big corporate and you won't get siloed or assigned to a specific technology"

If you have the talent and the skills, we'll provide you with the opportunities to deliver the projects and get the experience: www.lancom.tech/careers





TLE DELAMORE PARTNERS

Introducing Lancom Technology

We're a leading IT company serving Australia and New Zealand by specialising in providing software development, cloud services, managed services and data & insights to help businesses succeed by doing more with less.

We work closely with the biggest and most innovative tech companies in the world and are proud to be Advanced AWS Consulting Partners and Microsoft Gold Partners with advanced specialisations.

Based just up the road in Mt Eden, we're a people business and surround ourselves with top talent. Our people are continuously learning and refining their skills by solving complex problems for our clients.

Meet Rowan a Graduate Developer



Role: Software Developer Time in role: 18 months University: University of Auckland

How did you land your job?

I was job hunting after graduation and Lancom invited me to interview. I completed three interviews that were characterbased or technical, before being offered a role.

What does your role involve?

Developer roles at Lancom cover a wide range of work, and as a Graduate, it's no different. Within my first few months, I'd worked on several projects, including bug fixing, adding new features to apps, managing cloud infrastructure and

responding to client needs. Depending on the customer, the tech stack varies for each project, so I've had lots of opportunities to learn new and exciting things.

Why did you choose Lancom Technology?

Throughout the interview process, they displayed a professional and technically proficient approach that made it clear there was lots I could learn. Lancom also emphasised increasing responsibilities and that career progression within the team would be based on performance and talent, not time in the role or years of experience, which appealed to me.

The best thing about working at Lancom?
There are lots of perks like free food, a handy location, wellequipped office, but the best thing is the people. The team is small enough to be tight-knit but large enough to be tackling big projects. Everyone is extremely welcoming and supportive. I instantly felt comfortable asking for help or voicing my opinions.

How has Lancom supported you as a graduate?

My experience as a graduate has been perfect. They slowly increased my workload just enough to be challenging, but not overwhelming. I had enough time to adapt to office life, new technologies, and different workflows, as well as support from the other devs who provided technical explanations when needed. As I settled in they gave me work hours and lessons to begin training for professional certifications, such as AWS Solutions Architect.

What have been some of the challenges?

In the first week, I realised there was a lot going on in the industry that my degree just didn't have enough time to cover. The size of existing codebases, new libraries and design patterns, and the way solutions are deployed over a range of cloud platforms all took a bit of getting used to. It has been extremely satisfying to see my own progress and confidence grow as I've learned more.

Have you worked on any exciting projects?

The most exciting project is a large one our dev team started working on recently. When I first joined, I was working more with pre-existing codebases, where the infrastructure, database architecture, and libraries were already in place. Being involved early with this new project means I've been able to see it start from nothing and become a complex, modern, fully-fledged web app.

What's your advice for graduate job hunting?

Be patient and confident in your own abilities. If you're honest about what you can and can't do and communicate clearly this will go a long way towards landing a great job.

GRACE WOOD

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

I found PDP via the traditional method: Google! I was looking for an intern role and specifically wanted to work in environmental engineering. PDP was one of the first consultancies to pop up and that's how I discovered they had an intern and grad programme. I was impressed by how welcoming everyone was when I started as an intern; it's pretty daunting coming into a workplace for a short period of holiday time when you don't know anyone. It wasn't long before I was roped into joining the company touch rugby team and the running club.

The number one thing I like about PDP is how they look after their employees. The past year has been tough with a very long lock down in Auckland, and the uncertainty of COVID-19. Having the Employee Assistance Programme available to all people in the business, has made a real difference to my overall working experience. None of us want to be stuck working at home, but the team has made the best possible effort to make sure we are all okay.

On a "normal" day I'm usually in the Auckland office (Newmarket) and occasionally out on site. If I'm in the office, I'm usually working on the environmental science side of water engineering. This could be anything from reporting on river water quality and designing stormwater pipes, to analysis of contaminated land and geology. I love the diversity of work I get as a graduate.

WHAT HAS BEEN YOUR BEST PROJECT SO FAR?

The project I have enjoyed the most is the reconsenting of wastewater treatment plants in the Matamata-Piako region. I've been looking at the existing discharge environments (Piako and Waihou rivers) and how we can improve the level of treatment at the wastewater treatment plants.

It's been really cool to be involved in such a large project. The scale of the project means we work alongside both the local council and iwi, which has been a great learning experience. It's opened my eyes to the complex nature of environmental issues and the many considerations involved in civil engineering projects.

WHAT WOULD YOU TELL JOMEONE ABOUT **WORKING HERE?**

I think PDP is a great company to be a graduate in. The diversity of work you are exposed to, and wellbeing-focused culture makes it a real winner.







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 200 specialists are located in Auckland, Hamilton, Tauranga, Wellington. Hawkes Bay, Nelson, Christchurch, Central Otago and Invercargill.

We are recruiting graduates accross Auckland, Hamilton, Tauranga, Wellington and Christchurch.

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

Join our team:

We're looking for talented grads to join our team as software developers or service engineers. If you're talented and ambitious visit us at www.lancom.tech/careers

KEY DATES

INTERN APPLICATIONS OPEN 1 JUNE - 1 JULY 2O22

VICTORIA UNI CAREER FAIR 11:00 AM - 2:00 PM 28 JULY 2022



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

With more than 150 years in Aotearoa New Zealand, we are local experts. We are proud to be involved in the projects that will continue to connect and support us for generations to come.

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.

Summer Internships

Complete your professional work hours with our world-leading consultancy to establish your career with a solid foundation.

Our Summer Internships provide you the opportunity to connect with our technical experts and strategic advisors, who can impart a wealth of collective experience and knowledge

Apply Now

Summer internship applications are opening soon. Visit our website and fill out the form to be the first to bee notified when the applications open www.wsp.com/nz/summer-interns



Alice Gibson, Graduate Engineer Bridges & Civil Structures (Kaipūkaha
Paetahi Arawhata), shares what a
day in her life is like as a WSP
Graduate in Ōtepoti Dunedin:

7.00 am

I start the day by reading my bible while I have breakfast and my first cup of tea for the day. Before heading to work I also like to complete a German lesson on Duolingo. I'm up to a 704-day streak!

9.00 am

This morning we have a meeting with our client to update them on the progress of our projects and where we're headed for the rest of the financial year.

10.00am

Our bridge team is meeting on Teams to go through the daily Stuff quiz. This helps us stay connected while we are not all together in the office.



12.00 pm

I try to bike to work a few times a week, but since I'm working from home today, I head out for a ride during my lunch break instead. It was great to get some fresh air and enjoy the sun.

1.00 pm

I'm preparing a notice to our contractors for some work to repair spill-through abutments on two of the bridges in our network which have had issues with settlement of the approaches and loss of fill behind the abutments.

3.00 pm

I'm heading to site for a bridge inspection this afternoon. We inspect all our bridges every 2 years and some more frequently. I'm measuring crack widths at this bridge to make sure they aren't getting bigger.



8.00 pm

In the evenings I like to relax and watch some TV. Today while I watch I'm also crocheting a blanket for my newest future nephew.



frequency GRADUATE SPOTLIGHT

Working with Auckland Light Rail

Getting ahead: Frequency Graduates involved with big projects as early as day one.

PROJECT BACKGROUND Auckland Light Rail

(ALR) Establishment Unit

In January 2022, Frequency was engaged to provide Project Management Office services to the Auckland Light Rail Group - a collaboration among the Ministry of Transport, Waka Kotahi NZ Transport Agency, Auckland Council, Auckland Transport, Käinga Ora and Mana Whenua.

More than a transport project

With high capacity features, the project will create a new public transport option bringing wider benefits. This includes more employment and education opportunities, encourages housing development and will reduce emissions and sprawl. Light rail is a crucial element to unlock future urban uplift in Auckland.

Frequency is providing contract and cost management, scheduling and risk management services to enable the project be be delivered in a well-managed and consistent way.

Ryan Simpson - Graduate

Ryan joined both Frequency and the Auckland Light Rail project team in early March 2022. Since then, he has enjoyed assisting with tasks both inside and outside of his comfort zone, like invoicing and scheduling to name a few.

l've found interest in all the acvtivities that I have completed to date, with the amount of time I spend on tasks differing everyday depending on the workload, upcoming deadlines, and other priorities. This has been followed by a supportive office culture, which has made my experience within ALR incredibly fulfilling. Everybody is always willing to give you time, whether you are a workstream lead or a graduate. It's been an amazing opportunity to learn and be mentored by the Frequency team members.



Freja Li - Associate

Joining the ALR project as a Frequency team member was a major highlight for Freja this year. A then Graduate, Freja received a lot of support from the Frequency team during the initial learning phase, familiarising herself with the project, and stepping up to take on more responsibilities.

I work closely with the commercial side of our PMO team. Given the current scale of ALR and its potential future, it has been an exciting journey both tackling the daily tasks and developing / envisioning better tools and frameworks for the project. I also appreciate the chance to interact with people from different backgrounds at ALR. My Frequency colleagues at ALR are my 'home team', whereas conversations with other ALR project members always spark my passion for Auckland's future as the largest city in Aotearoa New Zealand.





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- frequencyproject
- in frequency





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 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

Mechatronics

- Process
- Electrical
- Materials
- Chemical
- 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.



Navy Scholarships

Undergraduate Schemes

RNZN Tangaroa Scheme: Complete Junior Officer Common Training prior to your studies. University fees and associate expenses will be paid by the Navy, plus you'll receive an annual salary*

RNZN Chatham Scheme: Study at a university of your choice while the Navy covers your course fees*

*Upon graduating, you will be required to complete one year of service for every year of sponsored study.

Graduate Schemes

RNZN Amokura Scheme: Available for engineering graduates and final year students only. In addition to your normal salary, you will receive annual payments totalling \$40,000 over four years (for a fouryear degree). There is no minimum time to serve or return of service attached to this scheme.

defencecareers.mil.nz/ scholarships



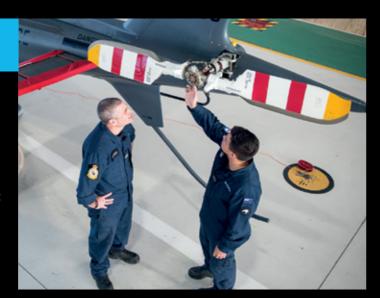
Engineering Officer

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.

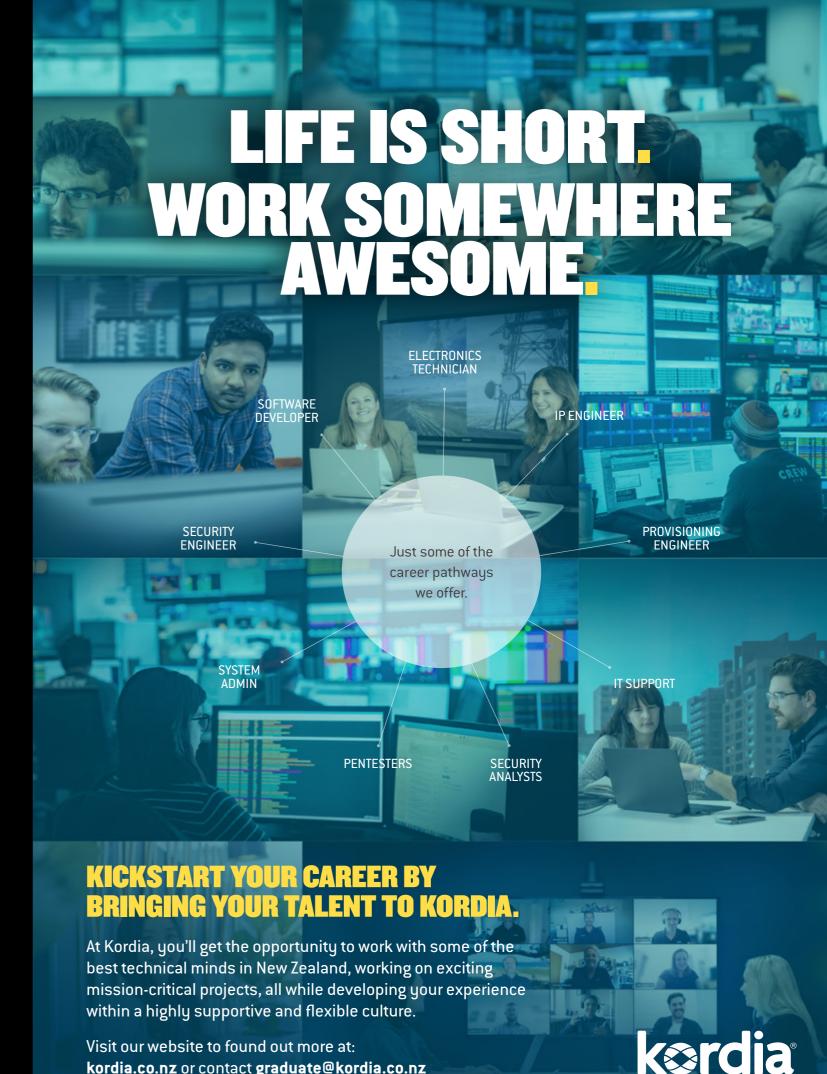
Eligible degrees: BE(Hons) or BEngTech in:

- Mechanical
- Mechatronics
- Electrical
- Aeronautical Engineering



Learn more at defencecareers.mil.nz **08001FORCE**





kordia.co.nz or contact graduate@kordia.co.nz



Start your Career Journey at ACCIONA

ACCIONA is a unique presence in Australia's and New Zealand's construction landscape. Both a major investor and an employer, we're a leader in sustainable solutions for infrastructure, renewable energy and water treatment projects.

As a global entity, ACCIONA has over 41,000 employees across five continents. Closer to home, as a trans-Tasman business we employ more than 3,000 people, coordinated by offices in Melbourne, Sydney, Brisbane, Adelaide, Perth and Auckland.

Alongside Fletcher, this year we will start construction on the Eastern Busway project: a game-changing project for Auckland, while continuing our work on the Ara Tūhono - Pūhoi to Warkworth Project that will open in 2023.

So far, all of this has been achieved while maintaining a relatively quiet public profile. During 2022 we plan to raise awareness of ACCIONA's record in New Zealand, and our ideas about sustainability, diversity and community. We think we've got a story to tell.

Graduate Opportunities

- ► Civil Engineering
- Safety
- ► Environmental
- Sustainability
- ► Commercial/Finance
- ▶ Project Controls

SMP2025 Our Sustainability Master Plan 2025

PLANET POSITIVE

positive impact on natural capital

INTEGRATE TO TRANSFORM

Capable of creating a sustainable difference in each project

Special focus on developing Our advantage derives from

EXPONENTIAL LEADERSHIP

We are not neutral - we pursue a purpose

Want to learn more about ACCIONA? Find us at the CDES Internship & Graduate Career Expo

Acciona.Australia

@ACCIONA_AU

in ACCIONA Australia

www.acciona.com.au







Wastewater Modelling



Water Supply Modelling



Data Analytics



Stormwater Modelling

Who are we

Hydraulic Analysis Limited (HAL) is a small (approximately 15 staff) specialist civil/environmental engineering firm specialising in 3 waters hydraulic modelling/strategic planning and data analytics, with offices in Auckland and Wellington, and supported by small satellite offices in Tauranga, Hamilton and Hawkes Bay.

What we do

We offer technical excellence across a full range of hydraulic modelling applications that can meet our clients' needs: strategic infrastructure/master planning advice, hydraulic development/calibration, catchment assessment, and options analysis for wastewater, water supply and stormwater networks. We also provide specialised data analytics services to extract maximum value from existing data sources such as SCADA data, GIS, rainfall records and flow gauging data to support infrastructure planning. HAL works with a range of clients including Watercare, Auckland Council, Tauranga City Council, Wellington Water, Far North District Council, Queenstown Lakes District Council and many more.





Working in engineering was always a scary prospect for me when I was first looking to get experience. HAL, however, has been warm and welcoming from the first moment I met the team. Being patiently guided by experienced professionals has helped me immensely in developing my skills and confidence as an all-round engineer, whilst also teaching me many of the specifics of three-waters modelling.

Kruthikan Manoharan Graduate Engineer



HAL has provided me with a wealth of experience within the three-waters modelling and planning area. The vast amount of knowledge within the company and their willingness to develop young engineers has helped me progress my career much faster than anticipated. A vibrant and fun-loving work environment has also made the transition into working life extremely easy.

To support a heavy forward workload, we are on the lookout for high calibre students/graduates to join our high performing team. With HAL being a small company, the right fit is important. Key attributes we're looking for are:

- Eagerness to learn and a practical approach to solving problems
- Good communication skills and ability to build strong relationships
- Completed/completing a Civil or Environmental Engineering Degree (or similar)
- An interest in the water industry and hydraulic modelling
- A Team player, but with ability to work independently
- And above all, a great attitude which we consider the most important attribute!

If the above sounds like you, drop us an email (as seen in the contact information below) with your CV and a cover letter attached.



About Google

Larry Page and Sergey Brin founded Google in September 1998 with a mission to organize the world's information and make it universally accessible and useful. Since then, the company has grown to more than 130,000 employees worldwide, with a wide range of popular products and platforms like Search, Maps, Cloud, Gmail, Android, the Assistant, Made by Google devices and YouTube.

Most Valued Skills

Communication

Time Management

Teamwork and Collaboration

Critical Thinking

Emotional Intelligence (EQ)



Meet Libby Stevenson (she/her) Job: Software Engineer Team: Next Billion Users **University:**University of Auckland

What is your best advice for students interested in a career at Google?

Just go for it!! Apply for the internship, apply for the grad role, just give it a go! And if you don't get in the first time, you can always try again. Nothing ventured, nothing gained.

My #1 advice for nailing the interviews would be practice makes perfect. Every interview question comes down to a data structure or algorithm, and if you do enough practice questions you'll start to see commonalities between new questions and ones you've solved before.

Opportunities

Applications for Internships and Graduates open in February and close in April. Internships usually run from December to February. Graduates normally start in January or mid-year.

Student Training in Engineering Program (STEP) Internships

Designed to provide exposure for second year students in the technology industry. Targeted at students who are historically underrepresented in the technology sector including (but not limited to) women, LGBTQI+, students with a disability and indigenous students. This internship provides students with personal and professional development, programming skills and mentoring.

Explore open roles at google.com/students



Software Engineering Internship

In this 12 week internship which runs over summer, you would work on our core products and services as well as those who support critical functions of our engineering operations.

Software Engineer, University Graduate

We need our engineers to be versatile and passionate to tackle new problems as we continue to push technology forward. As a key member of a small and versatile team, you design, test, deploy and maintain software solutions.









Your future is bright.



It's yours to build.

Student Programmes

Graduating 2024 Career Compass Programme Graduating 2023 Internship Programme Graduate Programme

Meet Cassandra D'Souza

Bachelor of Engineering (Hons) – specialising in Computer Systems University of Auckland



Will you seize now to transform next?

We'll help you - with the scale, teams, culture and technology to build a career as unique as you are. We use our curiosity to ask better questions, that inspire better answers. Here, your career is truly yours to build.

We'll provide the tools, networks, the experiences and opportunities for you to learn, to lead, to innovate, to belong and to grow. This will open doors anywhere and have an impact everywhere. You'll have access to learning, skills and qualifications for you to personalise your career.

Reframe this moment for your exceptional EY experience.

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:

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

I'm a Technology Consulting graduate working in the Cybersecurity team. I started my career as an intern in the summer of 2020/21 before joining full-time as a graduate in March. I have been helping the team on client work that has involved taking meeting minutes for them, producing project deliverables and assisting in running workshops.

My first project was a vulnerability management project for a major dairy company where I learnt about the processes on how to close internal audit findings. The current project I am working on is an internal audit for a media company. Through the course of both these projects I have had the opportunity to work alongside some incredibly hardworking and insightful individuals.

During my engagements, the way of thinking I have developed and the skills I have picked up from doing university projects have come into play. From being able to jump straight into a project and learning on the go, to thinking in a logical flow and keeping a keen eye for detail.

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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

Working at ecoPortal as an intern has enabled me to challenge myself, achieve professional goals, and settle into my role as an Implementation Specialist – all in a year's time!



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

Career Development & Employability Services - CDES

Did you know that employers are already recruiting for their 2023 internships and graduate programmes?

Career Development and Employability Services (CDES) is a free service for all University of Auckland students while you're studying and for up to three years after you graduate. We can help you meet employers and prepare for your internship or graduate programme applications this semester in three steps.

Join us for our <u>Get Recruitment Ready</u> series of employer-led workshops taking place throughout July 2022. Top NZ employers will lead sessions giving you valuable insights into how they recruit for positions, what they look for in an applicant, and top tips for your application.

Meet over 50 employers searching for their next interns and graduates at our <u>Internship and Graduate Expo</u> on 26 July. This is a perfect opportunity for you to meet and talk to employers from many different sectors. Learn more about the working environment and ask all of your employability questions.

Find an internship or graduate opportunity on our job board, polish your CV using our CV360 tool and prepare your Cover letter with our Cover Letter Builder all on our MyCDES+ online career platform.

Visit our website to learn more about Get Recruitment Ready, the Internship and Graduate Expo, and our MyCDES+ online career platform: https://cdes.auckland.ac.nz/

Follow CDES on social media to keep up to date with the latest opportunities!



Facebook: @UniofAkICDES



Instagram: @cdesaucklanduni

Don't miss out on the opportunity to secure your dream work opportunity!



create your future