



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

# ENGINEER YOUR CAREER

WINTER 2019

Information from Industry for Student Engineers

Ko te mahi i Te Kaunihera o Tāmaki Makaurau he angitutanga mutunga kore hei whakaaweawe i a Tāmaki Makaurau

## A career at Auckland Council offers endless possibilities to impact Auckland

We offer a three-month, full-time summer Internship Programme from November to February each year to students in the penultimate year of their degree in an aligned discipline.



Ka uara nui mātou ki ā mātou ihumanea

## We value our Interns

Our internship program includes:

- Development sessions with the Early Career Pathway Team
- Development discussions with your manager
- Identifying your goals and highlight your strengths and areas of improvement

Application dates: Wednesday 24 July 2019 – Wednesday 7 August 2019.

Find out more at [endlesspossibilities.co.nz](http://endlesspossibilities.co.nz)



## Joshua Simmons

### Geotechnical Summer Intern at Tonkin + Taylor 2018 and 2019



#### What did you do during your summer internship?

Over the summer at Tonkin + Taylor, I spent my time going out to site to carry out various geotechnical tests / investigations, learning about the data which we were collecting, and processing that data back in the office using the various software packages available. By gaining work experience at a company like Tonkin + Taylor, it allowed me to make connections with senior team members and to get a feel for whether I wanted to head down this path of Civil Engineering. At first, I didn't know too much about Geotechnical Engineering, but by receiving this kind of work experience, it helped me to narrow down the sub-disciplines of Civil Engineering which I wanted to pursue (including Geotechnical Engineering).

#### Where do you see yourself in 5-10 years' time?

With 2.5 more years of study to go (including this year), I see myself graduating with my conjoint degree and eventually going on to establish myself as a young engineer with a display of strong leadership potential. I have always aspired to do big things and lead large groups of people, and I feel that working towards a future role as a project manager / director would be a step in the right direction to fulfilling this aspiration. With the world of Civil Engineering showcasing the amazing systems and structures which can be created, I see the sky to be the limit and I would love to be able to push the boundaries to eventually pursue and lead large projects around the world.

#### What advice do you have for students thinking about applying for an internship?

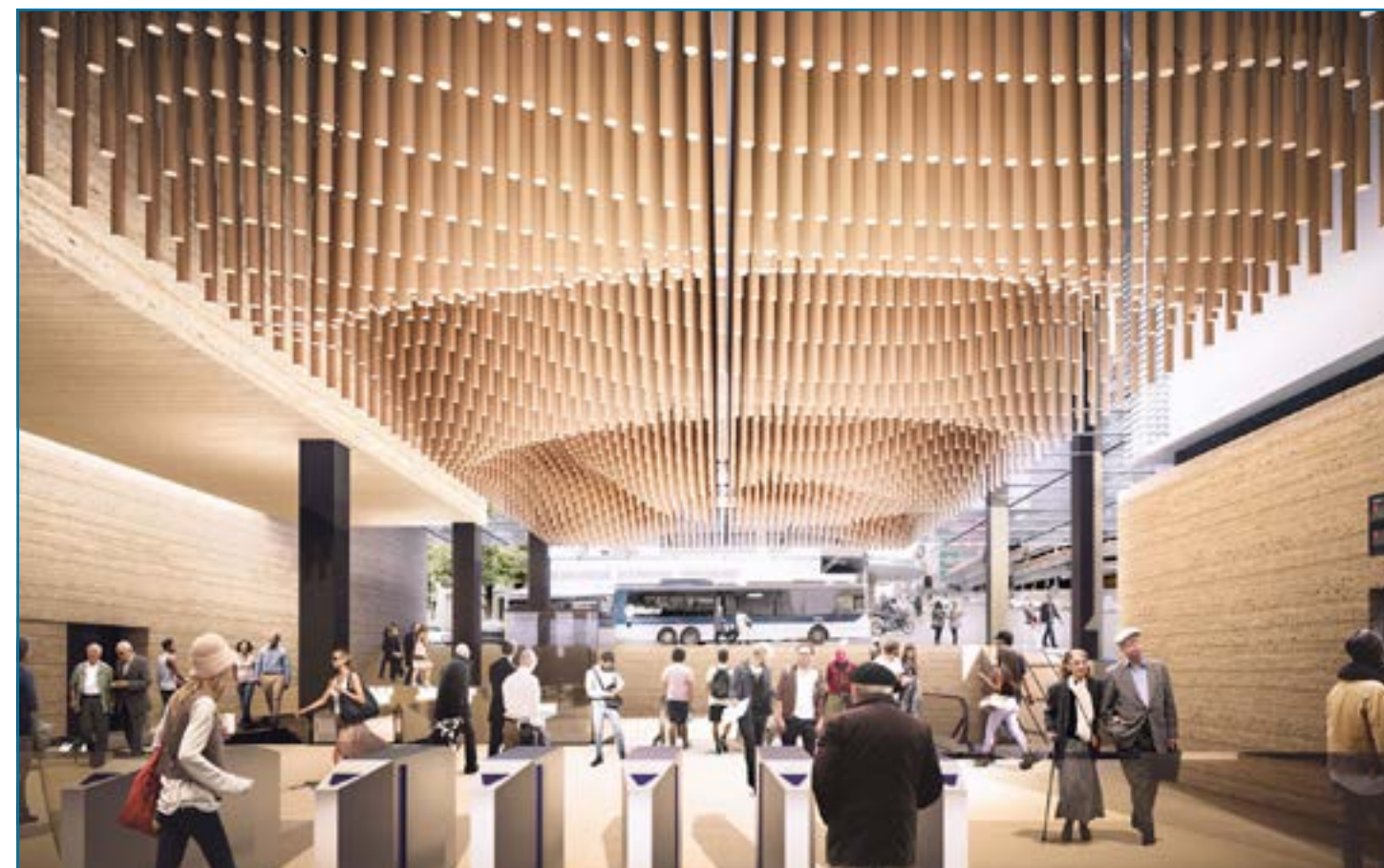
I would say that getting into a workplace which is related to your area of study / interest is the best thing that you can do as a university student. My time interning at Tonkin + Taylor has been invaluable as it has allowed me to connect the dots between university lecture content and its workplace applications, as well as give me an indication as to whether Geotechnical Engineering was something I was interested in pursuing as a future career.

#### How did you get your internship at T+T?

My pathway to getting my internship was slightly less conventional than the typical application process. In my second semester of my second year of university, a lecturer sent an email out to the student cohort regarding a summer position in a geotechnical team. At that point in time, I was looking for an internship, and even though the email was sent out to a large group of people I thought I would try my chances and send in the required details. Over the following few months I continued to apply for internships, with not a lot of success. It wasn't until about three months after I sent the email to my lecturer that I received a call from Tonkin + Taylor saying that my details had been passed on to them, and that they wanted to meet up with me for an interview. In the space of four days, I had received the call, had my interview, and been provided with an internship offer. I was very surprised with how quickly everything moved along, and I was very fortunate with the timing of the internship offer as the summer break was fast approaching. I think this proves that doors can be opened in many different ways, and that it never hurts to put your details forward when an opening comes up, because you never know what you'll end up with.



*Exceptional thinking together*  
www.careers.tonkin.co.nz



#### What's the best thing about working for T+T?

Working at T+T has provided me with so many opportunities to both learn and grow, but for me personally I would have to say that the best thing about working at Tonkin + Taylor is being able to do work which connects work and design with site specific conditions. As soil and rock are materials which vary in different parts of New Zealand, different design requirements will have to be met depending on what part of New Zealand we are in. Because of this, every work location provides a new challenge which can be resolved using different methods of geotechnical problem solving. This makes each job different from the last, which has helped me to broaden my knowledge about New Zealand geology and the engineering characteristics which different soil and rock formations provide.



*Exceptional thinking together*  
www.careers.tonkin.co.nz



# Will you wait for the future to happen, or take a hand in shaping it?

Discover more about a career with EY  
[ey.com/nz/betterbeginsnow](https://ey.com/nz/betterbeginsnow)

#FutureOfWork

## In your career, how will innovation keep you ahead of automation?

### How will your ideas make the world better?



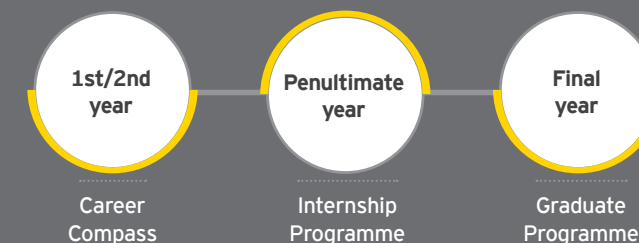
#### Meet Shaun Lee

Bachelor of Mechanical Engineering  
University of Auckland

I started my career with EY in 2019 and most recently I have been working as part of the project management office on a supply chain transformation project. My responsibilities on the project include managing the project plan, assessing project risks and issues and communicating and reporting on project objectives to key project stakeholders.

Before joining EY I studied Mechanical Engineering at the University of Auckland.

One of the most unique opportunities that comes with working at a professional services organisation is the clients you get to work with. Since I started with EY, I have been working with one of New Zealand's largest retailers and I had the privilege of being exposed to one of the largest distribution operations in the country. I am part of the project team that are deploying a supply chain solution to help the client deliver products to their customers more efficiently and economically, and it is exciting to be part of a positive change affecting millions of customers around the country.



#### Which programme is right for you?

Every opportunity that has been presented to me at EY was grounded in EY's purpose to build a better working world. In the project management space, I have been leveraging my analytical problem-solving skills that I acquired throughout my engineering degree, by breaking down complex issues encountered during a project into a narrow band of risk mitigating solutions. This opportunity in project management, among many others, has helped me to play a part in living EY's purpose and I have been able to showcase how my engineering background can contribute to the pursuit of 'Building a better working world'.

### Share in our purpose and see the world through the lens of better

Would you like to work side-by-side with the entrepreneurs, game-changers, disrupters and visionaries of tomorrow? At EY, you can. Just imagine, every day you could play a part in the rise and success of the world's greatest companies. And maintain the foundations of economic stability and growth. By helping the best in the business to innovate, you'll be building on their legacy and creating a better working world.

At EY we'll encourage you to do all this and more. Here the scale of your impact is matched only by the scope of your ambition. We'll help you to develop the mindsets to ask and answer the most challenging questions posed by unrelenting disruption and unlimited innovation. You'll have access to on-demand learning, formal training, coaching and real time feedback to shape your career and prepare you for the future.

You'll gain invaluable skills, experience and a lifetime of contacts that will set you up for a successful career – no matter which path you choose. It's how together we can build a better tomorrow for our people, our clients and our communities.

For more information on how to apply, where you fit, how we develop you, life at EY and what makes us different, visit:

[ey.com/careers](https://ey.com/careers)

[facebook.com/eycareersnewzealand](https://facebook.com/eycareersnewzealand)

[twitter.com/ey\\_careersaunz](https://twitter.com/ey_careersaunz)

[bit.ly/EYLinkedIn\\_CareersAUNZ](https://bit.ly/EYLinkedIn_CareersAUNZ)

[instagram.com/eynzcareers](https://instagram.com/eynzcareers)

**EY**  
Building a better  
working world

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



**RBG recognises that Graduate Engineers are the future of our company, and we are excited to offer the opportunity to provide a positive learning environment that will challenge and reward.**



### "Do you want to be involved in real engineering projects and start designing from day one?"

Robert Bird Group, member of the Surbana Jurong Group, is a specialist structural, civil and construction engineering consultancy with over 600 employees across offices in New Zealand, Australia, the UK, the UAE, and South East Asia.

The cornerstone of our mission of Good to Great by Design is the engagement, collaboration and continuous development of our people. Robert Bird Group continually seeks highly motivated and skilled individuals to join our global team.

### Available Opportunities

Each year, Robert Bird Group offers Graduate employment, internships and work experience. In your role, you will be encouraged to embrace diversity, work collaboratively, and contribute to change. You'll be surrounded by our global experts that will support your development and growth through:

- Expanding your technical skills with on the job training, mentoring, and coaching
- Working alongside some of our most talented industry leaders
- Developing your career through new and practical experiences and opportunities
- Building a global network of people with diverse skills and experience

We have opportunities for gaining experience on a number of different projects in Auckland and Wellington. We are seeking enthusiastic graduates looking to expand their skill set and knowledge.

### Apply Online

<http://www.robertbird.com/australasia-graduate-application-form/>



**Laura Viney**  
Graduate Engineer, Wellington

I chose RBG as I was offered the unique opportunity to work as a Graduate Engineer in both the structural and civil infrastructure teams. I've worked on a variety of different projects from large civil infrastructure design works for the new Waikeria Prison Development, to smaller scale civil and structural design at a local quarry.

While I am primarily a civil infrastructure engineer, working as both a civil and structural engineer on the smaller jobs allows me to gain experience on the interface of the two disciplines. While on the bigger, more complex jobs, I can gain skills in a particular area of civil or structural design. In my six months at RBG, I have not only been involved with design work, but I have also researched innovative building foundations, conducted construction monitoring, learned CAD software, and prepared concept information for project tenders.

RBG was quick to recognise my interest not only in design but in company systems too. Soon after I started, I was nominated to work on internal company initiatives spanning areas from employee well-being to technical efficiency. I do not underestimate the opportunity I have to make a company-wide impact as a Graduate Engineer.



**Enoch Korapatti**  
Graduate Engineer, Auckland

Joining Robert Bird Group in December 2017 was monumental for me. Only a few companies offer the same level of satisfaction that Robert Bird brings in terms of feeling that all of your efforts at university have come to fruition.

The projects I've been involved in at RBG exposed me to both technical and managerial skills that have helped shape me into a well-rounded engineer with a sound understanding of the profession. In my first year as a graduate in 2018, I helped to design a variety of temporary works structures. This helped me understand the challenges faced during the actual construction of a design, which is not usually taught at the undergraduate level. Gaining a grasp of construction staging and practicality issues placed me in good stead to start undertaking permanent works designs in 2019.

I found the systems in place at RBG, as well as the management team, help to create a systematic learning environment. There are regular staff training events with emphasis on ensuring the company and staff are on the 'cutting edge' of the industry.

There are a lot of exciting developments happening at RBG NZ, and I look forward to continuing working with my great team.

### About WSP Opus

With more than 48,000 employees working in over 551 offices across 41 countries, WSP Opus is one of the leading engineering consultancy firms.

We are a diverse team, working in the Transport, Water, Property & Buildings, Power and Environment sectors. WSP Opus is focussed on future-ready projects, designing lasting infrastructure to cope with our ever-changing world and help reverse the effects of climate change.

### Why Join WSP Opus?

Working at WSP Opus allows you to access the world's leading technical experts and our unrivalled local knowledge harnessed from 149 years of pioneering the important infrastructure and environments of New Zealand.

Gain real world experience in your field and apply your knowledge with the support of our technical experts and strategic advisers. Be part of it in one of our 40 offices in New Zealand.

### How to Apply

Applications for our 2019-2020 Summer Intern roles close **31 July**.

Find out more and apply on our website: <https://wsp-opuscareers.co.nz/>

Or access our application through our QR code:



Applications for our 2021 Graduate roles will open in March 2020.



### Meet One of Our Graduates

Natasha Mudaliar, Graduate – Transportation and Design

#### When did you join WSP Opus?

I first joined WSP Opus in 2017 at the end of my 3rd year of University. I worked for 3 months as a Summer Intern on the Northern Corridor Improvements (NCI) Project and was lucky enough to receive a company scholarship that helped fund the final year of my engineering degree. I then joined the company again as a Graduate mid-February 2019 and have loved working here ever since!

#### What have you enjoyed most about working at WSP Opus?

The people, culture, and awesome projects we are working on. I come to work because it is rewarding to make such a large difference in communities through the transport infrastructure that we design.

#### What opportunities have you had working at WSP Opus?

I've done all sorts of weird and wonderful things: designing sign posts and foundations; being a part of a bid team; climbing the Auckland Harbour Bridge; competing at table tennis with other players at work! There are always opportunities popping up to gain exposure to different things. That's what makes work at WSP Opus so interesting!

#### What is the culture like at WSP Opus, and how has that impacted your time working here?

As cheesy as it might sound, coming into work for me means that I get to see my second family. I enjoy the work that I do, whilst also getting involved with the social aspect of work life. There are always cool new clubs, sports, and activities happening at work.

#### What would you say to someone considering a Summer Intern or Graduate role at WSP Opus?

If the idea of working at a company that values you, your background, and the work that you want to do, is appealing, then WSP Opus is for you.







Those who dare to explore new frontiers step from the **impossible** into the **possible**.

**Flexibility. Choice. Freedom to be you. Make an impact. Design a better future. It's all possible.**

If you choose to work with us, you'll use your uniqueness to re-imagine engineering and create a legacy for humanity.

**Aurecon is an engineering and infrastructure advisory company, but not as you know it.**  
We've re-imagined engineering.



**aurecon**

*Bringing ideas  
to life*

[aurecongroup.com/graduates](http://aurecongroup.com/graduates)

Pictured: Aurecon Environmental  
Sustainability Engineer, Jess Lam

## Who are we?

Aurecon is an engineering and infrastructure advisory company, but not as you know it. We've re-imagined engineering.

Our clients' ideas and aspirations drive all that we do. We work alongside them like no other firm to co-create clever, innovative solutions to some of the world's most complex challenges.

This year, we were the first New Zealand engineering company to achieve **The Rainbow Tick certification** for diversity and inclusion. And in 2018, the Aurecon-led North Canterbury Transport Infrastructure Recovery (NCTIR) Alliance project Moving Mountains to Reconnect Communities was announced as the winner of the **2018 Institution of Civil Engineers (ICE) People's Choice Award**.

## What makes us unconventional?

If you choose to work with us, we'll want you to embrace your uniqueness to re-imagine engineering by asking 'What if?', 'What's next?' and 'Why not?'

From using digital technology to plan and restore transport access to Kaikoura's communities after major earthquakes. To designing the future of Auckland's transport with the **Auckland City Rail Link** to reduce crippling congestion. To advising on the world's largest lithium-ion battery to store renewable energy.

We believe the answers to the world's most complex challenges are out there.

## Our internship programme

While you may have an interest in a particular area, you sometimes don't know which path to follow until you've had some practical work experience. That's where our internship programme comes in. You will:

- Work on real projects in a supportive environment
- Learn from and partner with experienced professionals and current graduates
- Earn money during your holidays
- Start building your professional network
- Get a feel for whether a graduate position at Aurecon is right for you

## Apply now

[www.aurecongroup.com/graduates-interns](http://www.aurecongroup.com/graduates-interns)  
Internship applications close: 11 August 2019  
Graduate applications open: February 2020



**Cheryl Jiang**  
Transport Engineer

**Location:** Auckland, New Zealand

**Time at Aurecon:** 1.5 years (including internship and casual work)

**Degree completed:** Bachelor of Engineering (Hons)/ Bachelor of Commerce, The University of Auckland  
**Strongest Aurecon Attribute:** Sense maker

As a woman entering the engineering profession, you look for STEM role models. When I was at high school, I remember *Nanogirl's* presentation during The University of Auckland's 'Enginuity Day' where she showed a slide with only the word "Play" on it. Listening to her story, I realised how much fun I would have as an engineer, and the limitless possibility I could have to shape some of the world's most complex challenges.

I applied for Aurecon's internship programme because of their large client base, and the company's global footprint suggested that there might be opportunities to travel and work on diverse projects! The firm's slick website also suggested to me that they are just that little bit different to other companies.

During my internship I underwent a steep but FUN learning curve working on transport projects. Mostly because the work was quite different to what I learnt at university. My days were spent doing site visits, attending client meetings, and honing my technical skills in CAD and data analytics. My colleagues, work environment and the occasional sausage roll and lolly kept me going.

I really enjoyed working on a variety of projects during my internship – and at the end of the day I truly felt that Aurecon cares about its employees and their development. So, I continued to work as a casual employee throughout my Honours year of university and accepted a graduate role.

Today, I continue to 'play' through engineering, bringing to life Auckland's transport infrastructure. In particular, I am really enjoying working on the 20Connect project with our client NZ Transport Agency to increase the choices and journey reliability for people accessing Auckland Airport. As an Aucklander who likes to travel, this project is quite relevant for me. Plus, it feels great to work on something that directly contributes to people's quality of life.



HC + INTERNS

Real projects

Real experience

Looking for an opportunity to gain real world experience? An internship at Harrison Grierson gives you the chance to experience some of New Zealand's most exciting projects up close and personal.

And on top of that, we're a pretty fun bunch of people to be around. So we say, look no further. But you don't have to take our word for it. Visit [harrisingrierson.com/interns](http://harrisingrierson.com/interns) to hear what some of our grads have to say about being part of our team.

**Applications for our 2019/2020 summer internships open 29 July 2019.**

**HARRISON  
GRIERSON**

Intern Applications  
Open 29 July 2019

# BLUE BARN

CONSULTING ENGINEERS

For over 10 years Blue Barn Consulting has undertaken Civil Design, Land Development and Structural Engineering projects from Auckland to Wellington to Christchurch and beyond to the Pacific Islands. The scale and diversity of our experience and expertise is quite something; we have designed film studio sound stages, new churches, roundabouts, retaining walls, 1000+ lot Land Development sites, seismic condition ratings and strengthening, road and pedestrian safety improvements, multi-storey structures, bridges and participated in earthquake and tsunami recovery projects. We pride ourselves on attracting and developing the best and talented engineers and Blue Barn are very pleased to present exciting and rewarding graduate pathways for young engineers.

**MARK CASEY**  
STRUCTURAL ENGINEER

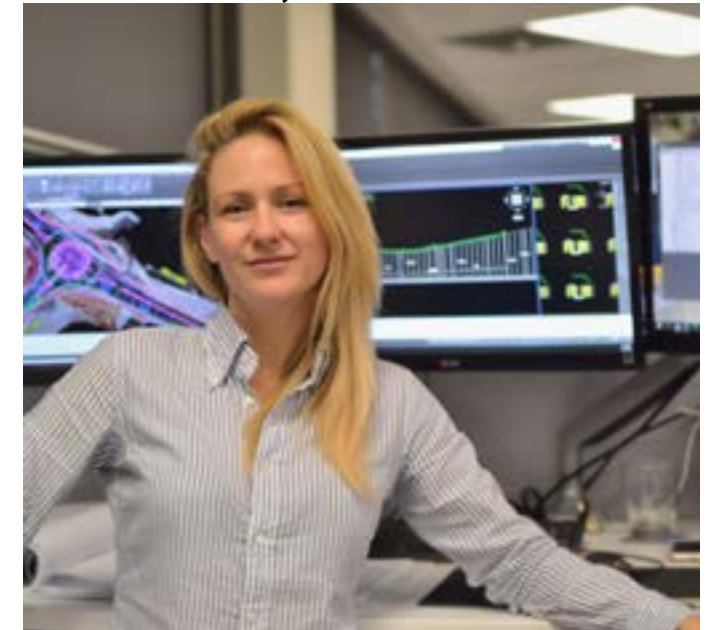


As long as I can remember, I always wanted to know how things worked. From playing with building blocks and Lego as a kid, to developing a keen interest in mathematics and science, it seemed that I was always destined to become an Engineer.

Since completing my Bachelor of Engineering at the University of Auckland and beginning to work as a Structural Engineer, I have been fortunate to be involved in some amazing and varied projects. These have ranged from Detailed Seismic Assessments of high-rise buildings using Nonlinear Time History Analysis, to designing a brand new 4500 m2 industrial building and watching it being built. Throughout all of this I have been lucky to have the support of a fantastic team here at Blue Barn, with my colleagues having a wide range of experience, and always being happy to offer a helping hand.

Blue Barn has also provided an avenue for me to explore other passions in my life outside of engineering, such as sustainability and the environment. I have worked closely with the senior management team over the past few months to both start and lead the new sustainability action team here at Blue Barn. Not only has this given me an opportunity to develop my leadership skills, but also to have a positive impact on the world we live in.

**SAMANTHA SPENCE**  
CIVIL ENGINEER, TRANSPORTATION



I've been with Blue Barn for a few years now, and they have allowed me the opportunity and support to work and study part time. During this time, I have worked with both the Land Development and Transportation teams. Having the freedom to work in different teams has given me valuable experience to get a taste of different aspects of civil engineering and see what fits me best.

In my time here I have been involved in many projects large and small, ranging from residential subdivisions to road safety projects, in both design and construction stages. I love to get out of the office and see my designs come to life, it's so rewarding!

The biggest bonus for me is working closely with talented senior staff who have the patience to share their knowledge and experiences with me. Attendance of workshops and training is encouraged, and regular coffee catchups and reviews with your team leader ensure you are supported and on track with your career development.

## BLUE BARN GRADUATE PROGRAMME

Attention future structural and civil engineers, do you have what it takes to be a part of the Blue Barn team? If the answer is yes or you are just keen to learn about us simply email your transcription, CV, and an accompanying letter telling us a little about yourself and indicating your specialism and/or preferred discipline to [enquiries@bluebarn.co.nz](mailto:enquiries@bluebarn.co.nz)



# 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. Marine Engineering Officers on board ship lead teams of skilled hands-on technicians who operate, maintain and repair this diverse range of equipment. The Marine Engineering Officer is the critical decision maker in the ship's response to fire-fighting and damage control.

A diverse range of shore-based positions include management of complex projects, equipment procurement, ship system and physical upgrades and performance analysis. Your career will be managed so that you are rotated regularly through these roles, ensuring you develop a broad understanding of Marine Engineering. Professional development is a key part of a Marine Engineering Officer's career.

**MEO - BE(Hons)** in Mechanical, Mechatronics or Electrical Engineering.  
**BEngTech** in Mechanical or Electrical Engineering.

## WEAPON ENGINEERING OFFICER (WEO)

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

Weapon Engineering Officers are also involved in complex multi-million-dollar project management, equipment procurement and upgrades, system optimisation, and maintenance planning. Your career will be managed so that you have a comprehensive and full understanding of all the aspects of Weapon Engineering.

**WEO - BE(Hons)** in Mechanical, Mechatronics, Electrical, Electronics or Computer Engineering.  
**BEngTech** in Mechanical, Electrical or Electronics Engineering.

## UNDERGRADUATE - CHATHAM SCHEME

Entrants into the Chatham Scheme are able to study at a university of their choice while the Navy pays for all course fees and a living allowance (approximately \$9,000 per year) and a \$500 textbook allowance. Bonuses of up to \$2000 are awarded for a minimum A-grade average.

There is a year-for-a-year Return of Service attached to this scheme.



## UNDERGRADUATE - TANGAROA SCHEME

Entrants into the Tangaroa Scheme are paid a full Midshipman salary (\$32,000) to study at The University of Auckland, Massey University (Albany Campus) or Auckland University of Technology.

There is a year-for-a-year Return of Service attached to this scheme.

## GRADUATE - AMOKURA SCHEME

Entrants into the Amokura Scheme are able to study at a university of their choice, and on completion of their degree, have their course fees paid back over the same duration as their degree.

There is no Return of Service attached to this scheme.

Year of Service	3 Year Degree (annual sum)	4 Year Degree (annual sum)
1st	\$3,000	\$4,000
2nd	\$6,000	\$8,000
3rd	\$9,000	\$12,000
4th	\$12,000	\$16,000
Total	\$30,000	\$40,000



## ENGINEERING OFFICER

You will 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.

You will need to be a flexible, multi-disciplinary leader across all areas of engineering with a keen eye for detail. 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. You will monitor engineering standards, manage aircraft maintenance and oversee maintenance of mechanical, avionics, and armament systems. You will be provided with ongoing training to keep you at the forefront of engineering development.

**EO - BE(Hons)** in Mechanical, Mechatronics, Electronic, Electrical or Aeronautical Engineering.  
**BEngTech** in Mechanical, Electrical or Aeronautical Engineering.

As an Engineering Officer you will be employed in a number of areas within the Air Force. These are:

### FLYING SQUADRONS

Each Flying Squadron has a maintenance section led by an Engineering Officer known as the Maintenance Flight Commander (MFC). A large squadron will usually be aided by a junior Engineering Officer. The MFC's role is to manage the day-to-day maintenance of the squadron's aircraft; a combination of both scheduled preventive and routine maintenance, and unscheduled repairs.

### BASE ENGINEERING SQUADRONS

Each RNZAF base has specialist engineering squadrons to perform more in-depth maintenance on aircraft and components. Your work is demanding in terms of engineering knowledge and managing personnel and resources.

On each base, the engineering squadron has a senior Engineering Officer in charge and one or two Junior Engineers to look after various workshops.

## UNDERGRADUATE SCHEME - RUS

RUS is available to Undergraduate and Year 13 students. The Air Force will fund your engineering studies and provide an annual living allowance.

There is a year-for-a-year Return of Service attached to this scheme.



## GRADUATE INCENTIVE SCHEME - GIS

Engineering Graduates and Final Year students are eligible for the Graduate Incentive Scheme. In addition to your normal salary as a Pilot Officer, 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.

Year of Service	3 Year Degree (annual sum)	4 Year Degree (annual sum)
1st	\$3,000	\$4,000
2nd	\$6,000	\$8,000
3rd	\$9,000	\$12,000
4th	\$12,000	\$16,000
Total	\$30,000	\$40,000

Entry into RNZN as Midshipman  
**\$32,000 - \$51,000**

0 months

Junior Officer Common Training

Promotion to Sub Lieutenant  
**\$63,000 - \$84,000**

6 months

On-the-Job Experience (Ship/Ashore)

2 years

Systems Engineering Management Course  
Portsmouth, United Kingdom

Promotion to Lieutenant  
**\$77,000 - \$103,000**

3.5 years

Entry into RNZAF as Officer Cadet  
**\$32,000 - \$43,000**

0 months

Initial Officer Training Course

6 months

On-the-Job Experience (Squadron)

Promotion to Pilot Officer  
**\$52,000 - \$68,000**

1.5 years

General Engineering Officer Training Course

Promotion to Flying Officer  
**\$63,000 - \$84,000**

2.5 years

\*The above career progression model is a guideline only - it is subject to the individual's qualifications and aptitude and is also subject to change.

\*The above career progression model is a guideline only - it is subject to the individual's qualifications and aptitude and is also subject to change.

## Water treatment through innovation

**FILTEC is committed to making water safer. Safer for drinking, safer for manufacturing, safer to put back into our environment. We have a strong set of values that we operate by:**



## Sean Brownlie

Graduate Project Engineer

I completed my degree at the end of 2018 upon which I sought a graduate position in the water industry. FILTEC's commitment to make water safer by offering innovative solutions for both private and public sectors held a wealth of opportunities to which I felt most passionate to be a part of. The passion and commitment shown to employees is deeply ingrained in FILTEC's culture where it is predominantly employee-focused.

As a graduate engineer I was given a detailed programme mapping out a learning path with objectives and interactions with the organisation's various departments. I became part of a project team to design and construct a water treatment plant. I have been involved in technical design, procurement, client meetings, technical trainings, supplier meetings, regular site visits and commissioning. FILTEC engineering roles provide the opportunity to venture out of the office to be directly involved with construction.

Working for FILTEC, you are immersed in a culture which encourages creative thought, to work alongside a vastly diverse group of talent you can bounce off; and to know your voice and input is always encouraged, valued and respected by all.



## Meet the Student Development and Engagement team

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

This includes pastoral support such as counselling, financial assistance and early childhood education, as well as mentoring and support plans for all students. Support is available from orientation through to employment.

Initiatives that are provided include Orientation, the Part I Assistance Centre, Women in Engineering Network (WEN), Tuākana for Māori and Pacific students, and information evenings with prospective employers.

The Student Development and Engagement team also provides the opportunity for the students to connect with the faculty and student organisations, through social events.

Other groups supported by the team are Lesbian, Gay, Bisexual, Transgender and Intersex (LGBTI), students with disabilities, refugee students and international students.



**Michael Willimott**

Student Development and Engagement Manager  
Phone: 09 923 7881  
m.willimott@auckland.ac.nz  
Room 402.403, Level 4, 20 Symonds Street

Michael manages student development, engagement, support and retention initiatives to enhance students' experience.



**Dr Naomi Fleming**

Women in Engineering Adviser  
Phone: 09 923 6773  
n.fleming@auckland.ac.nz  
Room 402.414, Level 4, 20 Symonds Street

Naomi is focused on the participation, retention and success of female engineering students. She works closely with the Women in Engineering Network, and engages with schools to raise the profile of Engineering as a career choice for girls.



**Chris McClymont**

Student Experience Adviser  
Phone: 09 923 2927  
c.mcclymont@auckland.ac.nz  
Room 402.402, Level 4, 20 Symonds Street

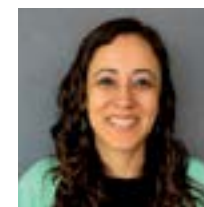
Chris provides a range of development and engagement activities for all students. He works closely with Campus Life and the faculty's student clubs.



**Jonathan Culley**

Employer Liaison Manager  
Email: j.culley@auckland.ac.nz  
Room 402.410, Level 4, 20 Symonds Street

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.



**Alcione Fagundes**

Student Support Adviser (Equity)  
Phone: 09 923 2990  
a.fagundes@auckland.ac.nz  
Room 402.412, Level 4, 20 Symonds Street

Alcione supports all engineering students with their wellbeing, pastoral care and learning support. She is also the primary Student Support Adviser for equity students.



**Meleane Akauola**

Student Support Adviser  
m.akauola@auckland.ac.nz  
Room 402.412, Level 4, 20 Symonds Street

Meleane supports all engineering students with their wellbeing, pastoral care and learning support. She is also the primary Student Support Adviser for international students.



**Steve Roberts**

Student Support Adviser (Māori and Pacific)  
Ext: 09 923 4538  
s.roberts@auckland.ac.nz  
Room 402.412, Level 4, 20 Symonds Street

Steve supports all students with their wellbeing, pastoral care and learning support. He is the primary Student Support Adviser for Māori and Pacific students.



**Monique Warder**

Student Experience Adviser  
m.warder@auckland.ac.nz  
Room 402.402, Level 4, 20 Symonds Street

Monique provides a range of development and engagement activities for postgraduate students.





# KiwiRail

Stronger Connections.  
Better New Zealand.

**KiwiRail has a proud 155-year history in New Zealand** and we're a key part of the country's social and economic fabric, responsible for significantly driving economic growth through our internationally-acclaimed tourism brands, by moving over a third of New Zealand's export goods and by holding the country's second largest property portfolio.

We have a vision for a bigger, bolder role for rail and we're looking for energetic, ambitious and talented students who genuinely care about creating stronger connections, for a better New Zealand. Following the government's recent \$1 billion investment announcement, it's a pivotal time to join our organisation and we're searching for our next generation of influential and inspiring leaders to develop with us.

## GRADUATE PROGRAMME

We offer a comprehensive rotational two-year programme which will see you pushed out of your comfort zone, growing towards your full potential. Upon successful completion of the programme you'll secure a permanent job offer.

Our innovative induction includes a tour across the country on our trains and ferry services to spend time in different KiwiRail locations, getting to know the business at an in-depth level.

### DURING THE PROGRAMME YOU WILL:

- Complete many different business area rotations
- Participate in formal events and training with the other graduates
- Work closely with a mentor from within Senior Management and a buddy from within the business, who will ensure you are well supported
- Have your performance and pay reviewed every six months
- Travel to different locations around NZ to really get involved in the business
- Participate in innovation smashes, projects and day-to-day work
- Be part of our Young Professional network

### WE HAVE OPPORTUNITIES ACROSS MANY AREAS OF THE BUSINESS INCLUDING:

- Sales and Commercial
- Engineering and Planning
- HR
- Safety Management
- Operations
- Rolling Stock Asset Services
- Finance
- IT
- Capital projects
- Property

### MEET A CURRENT GRADUATE



#### Varun Patel - Rolling Stock Asset Services

*"Being a fresh employee in the rail industry is exciting and challenging at the same time as there's so much to learn and information comes from every direction- it's a great place for any grad to get started. The most interesting part's exploring the complexity of KiwiRail and I'd say the graduate programme here is among the best. My role encompasses asset management, performance and delivery of fleet and fleet related equipment. Outside of my day-to-day role, I've also been involved in various internal networking events, mentoring sessions and quarterly training events. Rail is undergoing a massive period of growth in NZ with significant incoming investment. It's a great time to get onboard!"*

**Applications are open 15th July to 18th August 2019**  
- apply via [www.careers.kiwirail.co.nz](http://www.careers.kiwirail.co.nz)

Join our LinkedIn group (KiwiRail Student Careers) to stay connected!

**KiwiRail**

How far will you grow with KiwiRail?

#gradsontrack #welcomeaboard #greatjourneysofNZ