ARIAN ASGHARI

Address: Wellington, New Zealand

Email: Arian.Asghari@hotmail.com
Phone: +64 21 184 1375

PERSONAL STATEMENT

Passionate mechanical engineer with over four years of experience in research, design, and client-facing roles across diverse engineering sectors. Recognized for leadership, adaptability, and a solutions-focused mindset. Committed to delivering innovative, high-quality engineering outcomes that create real-world value.

QUALIFICATIONS

University of Canterbury
Christchurch, New Zealand
2018 - 2021

Mechanical Engineering Major
Bachelor of Engineering with Honours GPA 5.13

Onslow College
Wellington, New Zealand

NCEA level 3
2017 NCEA level 1, 2 and 3 with excellence endorsement

WORK EXPERIENCE

SOPO Brewing Co
Gold Coast, Australia
November 2024 – November 2025

Bartender/General Maintenence
Moved to the Gold Coast at the end of the year and decided to work in an environment that would give me a different experience. I was a general bartender, who also helped with general maintenance and upkeep. I worked on developing a hostel within the venue, which included a lot of planning, assembling and communication.

Aurecon
Wellington, New Zealand
November 2023 – November 2024
Aurecon is a design, engineering and advisory company.

Mechanical Engineer
Most of my previous roles required a lot of creative freedom and hands on work. Aurecon, however, gave me a different perspective on engineering. A much more client facing role, with strict processes and a need for good time management. Aurecon required me to learn a lot of new software's proficiently, in a short amount of time such as PIPE-FLO, AutoPipe, Inventor, hammer SURGE, AutoCad etc.

ASSA ABLOY
Auckland, New Zealand
January 2023 – July 2023
ASSA ABLOY is an opening solutions manufacturing company. A global leader in access solutions

Graduate Engineer
I was selected as the only New Zealand graduate across a pool of 1000 other graduates. Primarily worked on projects such as developing a new system within the company involving the packaging systems. The goal was to reduce wastage and costs while improving our sustainability, ease of doing business with us and locking in clients with a system that benefits them.

Robinson Research Institute
Wellington, New Zealand
November 2021 – November 2022
Robinson Research institute is a research centre that focuses on making transportation more efficient and consume less energy.

Engineering Research Assistant
This role involves confidential projects such as making planes fully electric using superconducting principles. I worked on many different areas in the Superconductor field. Made breakthroughs in different project areas and was a beneficial member who was asked to stay after my internship had been completed. A lot of my work revolved around designing and building testing rigs or developing simulations that can prove a concept. The role required constant problem solving and creativity as this type of work has never been done before.

Kenepuru Engineers
Wellington, New Zealand
December 2020 - February 2021

Intern
I was able to practice my problem-solving skills out in the field as well as machining and welding. The Porirua city council would come to us and request help when things such as school netball hoops or bus stops were broken and required welding or general problem solving to fix. It was valuable to gain this experience as you were always thinking of creative solutions to fix the problem.

RaceTech Intern

Wellington, New Zealand
November 2019 - February 2020
& November 2020 - December 2020

Intern

Worked on CNC machines used to develop the Race Tech seats. My ability to quickly learn and adapt to the job meant that within the first week, I was trusted to operate and work on my own on a highly technical and expensive CNC machine. Returned in 2020 to help with robot programming and general CNC machine tasks.

PROJECTS

Wharf line Recovery

One of the biggest projects I worked on at Aurecon, was a wharf rebuild project. After a hurricane wiped out a mining site's wharf line in the northern territory of Australia, I was sent out to assess the damage with a colleague. We were to determine the most appropriate solution to recover the wharf in the shortest amount of time. This company was losing close to a quarter of a million dollars for everyday they were unable to ship out their supplies. I was in charge of contacting suppliers and providing relevant information, as well as determining an appropriate piping route. This is essential in the design as the stress ratio of the piping cannot exceed a certain amount, meaning the number, location and type of support are vital to ensuring a good design.

Fuel Terminal Upgrade

Another project at Aurecon which forced me to utilise a different set of skills was the fire system upgrade project for a city in New Zealand. I was in charge of understanding the old and new system completely and helped lead a team in New Zealand and Vietnam to provide accurate models, drawings, and ensure all the relevant parts were ordered. Although I had little experience with these systems prior to taking this job, my supervisors believed I was more than able to take on the task, adapting and understand the job efficiently.

Final Year Project

This project is ongoing and due to NDA agreements, I am not able to disclose specific information about what we were working on or the industry it relates to. I was part of a small team of three working for an external client to produce a marketable product. This project has been incredibly fascinating and enjoyable to work on and has developed my skills and knowledge immensely. I had contributed to the development of an app and have gained experience in coding and researching behavioural patterns. This was very difficult given that I had no prior knowledge of these processes, but I was quick to put my hand up and take on the challenge. I have been a key part of creating a fantastic relationship with our client, am a great team player, and have successfully taken on tasks that are new to both the team and I. We were able to develop a working prototype at the end of 2021.

TECHNICAL SKILLS

- CAD & Simulation: AutoCAD, Plant 3D, SolidWorks, Inventor, Navisworks, PIPE-FLO, Hammer SURGE, AutoPipe
- Fabrication: CNC machine operation, laser cutting, Gerber CNC
- Other Tools: MS Office Suite, basic circuitry and wiring
- Certifications: Health and Safety Certified, Mental Health and Safety Certified
- Engineering Drawing Interpretation: P&IDs, Isometrics, Orthographics
- Site Experience: Fire testing, commissioning

PERSONAL SKILLS

- Strong Communication & Interpersonal Skills
- Leadership & Initiative
- Bilingual: English & Farsi
- Currently learning Swedish
- Reliable, Organised, and Adaptable

COMMUNITY & VOLUNTEER EXPERIENCE

North Wellington FC (2024), Bay Olympic FC (2023), Western AFC (2018–2021)

- Competed at top division levels across NZ; demonstrated commitment and teamwork.

BioMed Club, Christchurch | 2019 – Present

- Member of community-focused club with interest in biomedical innovation.

North Wellington FC | 2015 – 2018

- Captain of U17 team; played in senior men's first team.

Onslow College – Tutor | 2017

- Tutored year 12 students in physics and chemistry.

Onslow College Football League – Referee | 2015 – 2016

REFEREES

Ryland Martin
Lead Mechanical Engineer
Aurecon
Ryland.Martin@aurecongroup.com
+64 27-334-7584

Matt Kemp
Technical Director, Industrial Mechanical
Aurecon
Matthew.Kemp@aurecongroup.com
+64 21-319-069