

Riley Mcilwain

Date of Birth

9 March 2000

Address

3 Winston St Rochedale
South QLD 4119

Phone

0416 817 942

Email

r.mcilwain2000@gmail.com

GitHub:

<https://github.com/rileymci>

Website:

<https://vanilla-portfolio-bay.vercel.app/>

Work Objective

To gain valuable experience and knowledge working in a highly regarded corporation. I look forward to working hard towards my goals and exceeding expectations in my field of passion. Personal growth is a heavy focus of mine. I am always looking to improve in all aspects of my career. You can always improve upon your failures. Hard work and perseverance I believe are important values to your success.

Education

Degree: Bachelor of Engineering – Computer & Software Systems (Honours)
Queensland University of Technology
2018-Present

Technical Skills

Engineering:

- Systems Engineering
- Research, project design, methodologies, and management
- Technical design and solving complex problems
- Computer programming, embedded systems, and electronic circuitry
- Ethics and sustainability

Mathematical:

- Modelling, vector, and multivariable calculus
- Numerical and computational mathematics
- Efficient in other general areas of mathematics

Embedded Systems Skills:

- Experience with Arduino, and other microcontrollers (C, C++ languages)
- Experience with FPGAs (VHDL languages)
- Circuit design
- Analog & digital electronics
- Digital signals & image processing
- Reading documentation and understanding circuitry diagrams

IT Skills:

- Tools - MS Office, Git, MATLAB, Latex, Jupyter
- Object Orientated Programming, Functional Programming and Systems Programming
- Coding languages – C, C#, Java, Python, SQL, VHDL, CSS, HTML
- Visual Studio, Unity3D, Vivado & Vitis HLS
- Notable Libraries – React, Numpy, Tailwindcss & Vitis Vision Libraries

Skills

Teamwork: I understand the importance of effective teamwork in achieving a common goal. This has been instilled into me through many years and past experiences at recreational sports, university and through my professional career.

Communication Skills: I have very clear written and verbal communication skills which allows me to effectively convey objectives and tasks. I understand this is a pivotal skill in the workplace and role this plays in an efficient team environment.

Initiative: I always look for ways to continuously improve the work I conduct to improve efficiency whilst maintaining high standards. I like listening to constructive feedback and will ask many questions on how my work can be improved.

Interests I have a very keen interest in a variety of sports due to my competitive nature. I program and use microcontrollers for personal projects which enables me to gain knowledge and real-life experience outside of the classroom. I also have a keen interest in travel and exploring new experiences for personal growth.

Paid Employment

Underwood Seafood Market [2018 - Current]

Junior Floor Manager / Seafood Processor

I developed leadership and coaching skills early in my career which have been continually improved since. A high standard of communication for teamwork & customer service.

Private Home Math Tutoring [2018-2019]

Tutoring

Working as a tutor to mentor and teach high school mathematics and other various subjects to clients.

Queensland University of Technology [2018]

Note-Taking

Employed to make and present clear and concise learning materials to students.

References

Alex Tran: Underwood Seafood Market

Phone: 0407 067 559

Dr Jasmine Banks: QUT Research Supervisor

Email: j.banks@qut.edu.au

