

LIAM MULHERN

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SUMMARY

Self-motivated and highly **reliable** undergraduate, currently studying a **Bachelor of Engineering and Computer Science** at The University of Queensland. Based in Brisbane, Australia, I have a **passion** for all things **technology, creativity, and engineering**, positioning myself greatly to **contribute strongly** to companies demanding **problem solving, leadership, enthusiasm, and exemplary work ethic**.

EXPERIENCE

2017 – PRESENT

FOOTBALL REFEREE, MACKAY REGIONAL FOOTBALL ZONE (MRFZ)

Umpired soccer fixtures and competitions at regional, state, and national levels. Worked in a team environment requiring skills in communication, player management, and laws of the game.

2019 – 1 WEEK PAID WORK EXPERIENCE

FABRICATION & TECHNICIAN ASSISTANT, EXPERT LASER SOLUTIONS

Refurbished, cleaned, and assisted in installing an industrial chiller at Acuform laser in Queanbeyan, Canberra.

2020 – 2 WEEKS PAID WORK EXPERIENCE

ELECTRICIAN & TECHNICIAN ASSISTANT, EXPERT LASER SOLUTIONS

Continued to develop skills as an electrician and technician assistant by installing a BLS laser system at ACS in Paget, Mackay.

2021 – 3 WEEKS SPLIT PAID WORK EXPERIENCE

ELECTRICIAN & TECHNICIAN ASSISTANT, EXPERT LASER SOLUTIONS

Develop skills as an electrician and technician assistant by wiring electrical control cabinets under with the supervisors' guidance and wiring diagrams. Designed, programmed, and installed new GUI for HMI display on BLS laser system at ACS and Comlek Group, Mackay.

2020 – PRESENT

TEAM MEMBER, COLES

Developed skills in retail industry such as communication, time management, organisation, and money handling.

EDUCATION

2016 - 2021

HOLY SPIRIT COLLEGE (HSC) MACKAY

Achieved awards in Academic Excellence and Outstanding Studentship from 2016 to 2021.

MAJOR ACHIEVEMENTS:

- **2021:**
 - **College Awards:** College Captain of Holy Spirit College, HSC Public Speaker of the Year, HSC Marist Sister Award and Community Service, & Lions Youth of The Year Regional Finalist.
 - **Subject Awards:** Design, Physics, Mathematical Methods, & Specialist Mathematics.
 - **QLD ATAR: 98.85** [Scale: 99.95 (Highest), < 30.00 (Lowest)]
- **2020:** Year 11 Dux, Subject Awards in Design, Physics, English, & Specialist Mathematics
- **2019:** Year 10 Dux, Subject Awards in Design Technology & Science.

SKILL SUMMARY

- Communication
- Problem Solving
- Self-Motivated
- Active Listening
- Public Speaking
- Leadership & Team Mindset
- Time Management
- Electrical Systems
- Software Development
- Engineering & Design
- CAD
- Programming (C#, C++)

SPECIALISED SKILLS

I have **pursued** these skills out of my **passion** for all things **engineering, computer science, and design**. I am **self-taught** in all areas but have the **knowledge** to **apply** and **expand** upon these areas in future ventures.

- Programing in C#, C++, JS, HTML, CSS using Visual Studio 2019
- Graphic design & website development using Adobe Illustrator, Adobe XD, Visual Studio Code
- CAD development using AutoCAD and Inventor
- Electrical & microcontroller hobbyist with multiple projects involving Arduino and amplifier design

SOFTWARE SUITE



PERSONAL ATTRIBUTES

INVALUABLE COMMUNICATION SKILLS

- I am an **articulate communicator** with an appreciation for the **different communication styles** required when working with team members and customers. My **confidence in public speaking** has been honed through my involvement in **Lions Youth of The Year, College Captaincy**, and **refereeing**.

ACTIVE LEADERSHIP MENTALITY

- In all actions I attempt to **lead** as a **positive role model** who voices my own and others' opinions, **mentors** and **actively listens** to peers, **participatees** in a variety of extracurricular activities, and leads with **initiative**. Consequently, my ongoing **commitment** to academia, **co-operative** and **confident** nature, as well as my **dedication** to all self-directed studies display my skills in **problem solving**, **creative thinking**, and **written/oral communication**.

THOROUGH PROBLEM SOLVING ABILITIES

- Curiosity**, **exploration**, and **design** are the catalysts behind my **perseverant** and **research-based** problem solving techniques. When given a problem in mathematics, physics, engineering, or programming, **research** is key when **attention to detail** is paramount to a project's completion. My **passion**, **motivated** by a **desire** to learn, drives my **development** of the techniques required to **innovate** future **technology** through a thorough problem solving mindset.

COMMUNITY SERVICE

2019 - 2021

ZONTA

- Holy Spirit College's Zonta Club allowed me to gain **eye-opening** perspectives on the **empowerment** of women in a **supportive** and **like-minded community** focusing on the physical and mental health of all involved.

2020 - 2021

ENVIRONMENTAL GROUP

- As an **active leader** in the Holy Spirit College Environmental Group, I worked in **collaboration** with team members to attain grants and funding to introduce **sustainable recycling station** in the College community eating areas and staff rooms.

2021

STUDENT REPRESENTATIVE COUNCIL (SRC) / CHRISTIAN LEADERSHIP

- My role as **College Captain** allowed me to assist the SRC to **introduce numerous initiatives** within the **Mackay community** including fundraising for the local *St Vincent DePaul's Backpacks for the Homeless* to **improve social sustainability** by **providing** those living in poverty with the **necessities** required to live healthy and fulfilling lives.

EXTRA-CURRICULAR ACTIVITY

2017 - PRESENT

FOOTBALL REFEREE

Active **participation** in **refereeing** competitive junior and senior soccer fixtures which have taken place at **local**, **state**, and **national** levels. My **commitment** to refereeing has **introduced** a junior **development program** that focuses on **mentoring** beginner junior referees. This program offers new referees a **safe learning environment** where volunteer mentors with greater experience are given the opportunity to assess, train, and advise new referees.

- **Awards:** Junior Referee of the Year (2019 & 2020, MRFZ), under 15/16 boys grand final center referee (2019, Community Cup State Competition), under 16 boys' grand final (2020, MRFZ), Division 1 Men's grand final (2021, MRFZ).

2018 - 2021

FORMULA 1 IN SCHOOL

In **collaboration** with three team members, my role as **team manager**, **graphic designer**, and **assistant engineer** allowed me to pursue my interests in **leadership** and **design** through a multifaceted competition that focuses on **creativity**, **innovation**, and **communication**. In 2020/21, I continued my support through a **mentorship role** in which I assisted junior teams in developing their team **identity**, **designing CAD models**, and **manufacturing** their cars.

- **Awards:** Best Managed Enterprise, Best Engineering CAD, Best Team Marketing, Best Team Portfolio, and Best Team Graphic Design.

PROFESSIONAL REFERENCES

KATHRYN BURROWS

Department Manager - Coles
Mt Pleasant, Mackay (4740)
Mobile: 0466 105 222

MELLISSA RYAN / JOSH BACK

Store Manager - Coles
Mt Pleasant, Mackay (4740)
Mobile: 0478 561 183

PATRICK MULHERN

Expert Laser Solutions
Glenella, Mackay (4740)

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