

Kyle Jewiss

MECHATRONICS ENGINEER

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EDUCATION

B.S. Mechanical & Mechatronic Engineering

University of Technology
Sydney | 2019 - 2023

ATAR | HSC

Marcellin College Randwick |
2013 - 2018

SKILLS

- Mechatronic Design
- Robotics
- Fusion360
- SolidWorks
- C++
- Python
- Electronics & Soldering
- Hands-on Manufacturing
- Project Management
- Systems Thinking

PROJECTS

Engineering Thesis:

- A handheld, Infrared based plastic identification device.

DIY CNC Router:

- A welded steel CNC router with a 1200mmx1200mm cutting area.

Design & Tech Major Work:

- Over ear headphones, where each ear cup can detach and act as a portable Bluetooth speaker.

PROFESSIONAL SUMMARY

I am a final semester Mechanical & Mechatronic Engineering student at UTS, who has extensive experience working in professional R&D environments. I am a heavily design oriented person who genuinely enjoys working with others to develop new solutions and products.

EXPERIENCE

R&D Engineer

Sperospace | Part-Time | Sydney

01/22 - Current

An aerospace startup that is developing a robotic arm for use by satellites in space applications.

- I was predominantly responsible for the design & development of a functional 7DOF robotic arm prototype.
- I have gained extensive experience in designing both mechanical & mechatronics systems in CAD, with and without defined functional requirements.
- It also involved constant research into engineering theory, electronics work, hands on machining & systems engineering
- I have worked in both a team and by myself to design and deliver complex electro-mechanical systems.

Engineering Intern

Sperospace | Full-Time | Sydney

06/21 - 12/21

Completed a 6-month internship as a part of my engineering degree.

Technician

FarmBot | Part-Time | Sydney

11/20 - 12/21

An Agtech company that develops and sells monitoring technology to farmers.

- Responsible for the building, testing & troubleshooting of electro-mechanical products
- This role was heavily hands-on involved lots of soldering, wiring, prototyping and use of various types of power tools.
- I worked closely with other technicians and the R&D team to ensure continual improvement of the products.