



Mechatronics Engineer Position

DefendTex is an Australian based Defence company with a strong focus on innovation, research and technology development. DefendTex services military and law enforcement communities around the world. At DefendTex, we value integrity, innovation, professionalism and passion. Our vision is to be a world leader in defence innovation.

DefendTex are seeking Mechatronics Engineers to join an expanding team working on the development of cutting-edge Defence technologies. As a Mechatronics Engineer at DefendTex you will develop leading edge, innovative and practical electronic/electromechanical systems and sub-systems for use in tomorrow's defence technology.

About this role:

- Design of electro-mechanical control systems
- Embedded software design
- Develop test and evaluation plans and procedures
- Datalogging and telemetry
- Tight ECAD/MCAD Integration
- Scope for schematic and circuit board design

The successful candidate will have experience in:

- Experience in programming embedded C, C++ for Microcontrollers (STM32, AVR, Ti etc.)
- Knowledge on Serial Communication Protocols (CAN, UART, I2C etc)
- Experience in integrating with established codebases (open source or otherwise)
- Experience managing software revision control using Git workflow
- 3D CAD modelling experience (SolidWorks preferred)
- Hands-on, practical approach to engineering problem solving
- Teamwork in extra-curricular activity desirable (FSAE, UAS, etc)
- Debugging and fault-finding circuits
- Analysis and design using MATLAB, Python etc.
- Experience with PCB Design Software desirable (Altium Preferred)

Minimum eligibility criteria

- Bachelor of Engineering
- Must be eligible to meet Baseline security clearance requirements
- Not be a prohibited person under Section 3 of the Firearms Act 1996 (Victoria)

A dynamic, agile and enthusiastic applicant who operates well in a multidisciplinary team environment will suit this role.

Why us?

- Exciting projects and industry leading innovations
- Cutting edge surface mount electronics manufacturing facility on site
- Precision machine shop on site
- Wide range of test and measurement equipment and instruments including high voltage and RF labs
- Remote explosive ordnance and weapons testing facility
- Maritime research vessel for at sea testing
- Professional learning and development opportunities
- Working in a dynamic team environment with talented engineers to develop innovative, novel applications for defence
- Opportunity to work collaboratively with external research organisations and institutions

We are committed to ensuring diversity, inclusion and equality are embedded throughout our organisation for the benefit of our customers and our employees. We strive for a positive and engaging workplace where mental health and wellbeing are supported. We welcome applicants from all diverse backgrounds, including Aboriginal and Torres Strait Islander people.

If you are looking for a unique and exciting opportunity, we look forward to your application.

Interested?

If this sounds like you, are you're interested in applying for this exciting role, please send your CV and Cover Letter to our Head of People and Culture, Lauren McCleery at lauren.mccleery@defendtex.com