## Position Description

Principal Research Consultant – COSF7

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| Job Title | Principal Research Consultant in Responsible AI |
| Job Reference | 91359 |
| Tenure | 24-month Term Part-time (3 days per week) |
| Salary Range | $141,949-$157,055 plus up to 15.4% superannuation |
| Location(s) | Sydney, NSW |
| Relocation Assistance | N/A |
| Position reports to the | Team Leader, Software Engineering for AI |
| Client Focus – Internal | 20% |
| Client Focus – External | 80% |
| Number of Direct Reports | 0 |
| Enquire about this job | Contact Liming Zhu via email at liming.zhu@data61.csiro.au  |

### Role Overview

The role of the Research Consulting staff is to initiate, develop, lead and promote CSIRO's research capability for the benefit of Australia's economy, society/community and/or environment through strategic partnerships with industry. Their primary responsibility is the leadership of research and client relationships. They undertake the establishment and facilitation of multi-organizational, collaborative research programs leading to the delivery of results to clients. They have an in-depth knowledge of the key drivers/sensitivities of their industry partners and have the ability to influence their strategic direction. They pursue new ideas and approaches that create new concepts and opportunities that are not obvious to others. They build and maintain alliances and networks that provide an up-to-date awareness of advances in technology and ideas. They report on and collaborate on the uptake of the research results. They have a lead role in securing project funds through their interactions with clients and they prepare detailed research proposals and project reports. They acquire a breadth and depth of scientific interests, an awareness of potential application of their research and the capacity to vary their scientific interests and skills to suit research and industry priorities.

CSIRO’s Data61 is driving the development and adoption of Artificial Intelligence (AI) in Australia. The development of AI-based systems introduces new fundamental challenges to responsible AI/innovation, ethics, compliance, regulation, standards, international consensus and SME adoption.

This position will lead to the development of new initiatives, international engagements, collaborative projects, methods and technologies for Responsible AI in particular related to standards, compliance and SME adoption of them.

### Duties and Key Result Areas

* Undertake leading-edge research via active internal (cross Data61 and CSIRO Business Units) and external research collaborations in the area of Responsible AI in particular related to standards, compliance and SME adoption of them.
* Be recognised as an international figure in their area of expertise and typically possess knowledge across a range of disciplines.
* Conceive ideas for new industry initiatives and projects based on real-world problems and help secure sources of funding.
* Liaise with the business development and commercialisation managers to assess commercial opportunities and to protect intellectual property.
* Provide leadership and mentorship to colleagues and students in the area of standards, compliance and SME adoption.
* Communicate research results to clients and the wider community through oral and written reports, which may include advice and the preparation of documents for patent applications.
* Work collaboratively as part of a multi-disciplinary, regionally dispersed research team to carry out tasks in support of CSIRO’s research objectives.
* Adhere to the spirit and practice of CSIRO’s Values, Code of Conduct, Health, Safety and Environment procedures and policy, Diversity initiatives and Making Safety Personal goals.

**Selection Criteria**

#### Essential

*Under CSIRO policy only those who meet all essential criteria can be appointed.*

1. A Bachelor/Master degree in a relevant field such as law or/and technology.
2. Demonstrated ability to undertake research by generating and pursuing novel ideas and solutions.
3. Demonstrated track record in research with impactful outcomes in industry and/or government.
4. Experiences in leadership via managing significant projects and/or teams.
5. Experiences in standard development and conformance/compliance related to AI.
6. Experiences in international engagements related to AI.
7. Demonstrated high level of oral and written communication skills with the ability to represent Data61 research externally to academia, government and industry.

## **Desirable**

1. Experiences in responsible/ethical AI and/or law
2. Experience in securing industry funding, providing trusted advice to government and industry, commercialisation or inventorship on patent applications.

## **Required Competencies**

* **Teamwork and Collaboration:** Creates and fosters an environment in which there is a high level of cooperation within and between teams. Facilitates positive team relationships to build interactions across Business Units and the organisation.
* **Influence and Communication:** Identifies critical stakeholders and influences them via an influential third party, for example through an established network, to gain support for sometimes contentious proposals/ideas.
* **Resource Management/Leadership:** Provides leadership that fosters an environment that encourages new ideas and provides support for the development of emerging skills. Creates trust by displaying consistency, understanding, integrity and patience. Plans, seeks, allocates and monitors resources to achieve outcomes.
* **Judgement and Problem Solving:** Resolves major conceptual scientific, technical, commercial or management problems, which have a significant impact upon the field of research, professional function, the Business Unit or the Organisation. Situations faced have little or no precedent and require original concepts and approaches.
* **Independence:** Assesses the risk and opportunity of identified strategies, options and actions. Overcomes problems and setbacks in achieving goals. Invariably includes consideration of value-added future impact on bottom line when determining the optimal and efficient use of resources.
* **Adaptability:**Is flexible in response to external change or when faced with external constraints. Identifies and promotes the opportunities arising as a result of change.

Special Requirements

* The successful candidate will be asked to obtain and provide evidence of a National Police Clearance or equivalent. Please note that individuals with criminal records are not automatically deemed ineligible. Each application will be considered on its merits.

## **About CSIRO**

We solve the greatest challenges through innovative science and technology. Visit [CSIRO Online](http://www.csiro.au/) and [CSIRO Data61](https://www.data61.csiro.au/) for more information.

CSIRO is a values-based organisation.  In your application and at interview you will need to demonstrate behaviours aligned to our values of:

* People First
* Further Together
* Making it Real
* Trusted