



Position Description – Senior Data Scientist

Position Details

Position Title: Senior Data Scientist

College/Portfolio: Operations

School/Group: Data and Analytics

Campus Location: Primarily based at City campus, and the potential to work across other RMIT campuses as required.

Classification: HEW 8

Time Fraction: 1

Employment Type: Continuing

Fixed Term Reason: Choose an item.

Reporting Line: Lead Data Scientist

No. of Direct reports: 0

RMIT University

RMIT is a global university of technology, design and enterprise, committed to creating transformative experiences for students and making a meaningful impact through research, innovation, and engagement. For more information on RMIT University follow the links below.

<https://www.rmit.edu.au/about>

<https://www.universitiesaustralia.edu.au/university/rmit-university/>

<https://www.rmit.edu.au/about/facts-figures>

Our campuses in Melbourne (City, Brunswick, Bundoora, and Point Cook) are complemented by international campuses in Vietnam and a centre in Barcelona, Spain. We proudly acknowledge the Woi Wurrung and Boon Wurrung peoples of the eastern Kulin Nation on whose unceded lands our campuses are located.

We are deeply committed to reconciliation and Indigenous self-determination, embedding these values throughout our policies, culture and structures.

<https://www.rmit.edu.au/about/our-locations-and-facilities>

Why Join RMIT?

Our people are at the heart of everything we do. At RMIT, we value innovation, collaboration and impact. Our values are the heart (durrung) of who we are and what we stand for at RMIT. They guide what we do, how we make decisions, and how we treat each other.



Inclusion

Imagination

Integrity

Courage

Passion

Impact

Learn more about our values: <https://www.rmit.edu.au/about/our-strategy/values>

Organisational Accountabilities

RMIT is committed to the safety, wellbeing and inclusion of all staff and students. As a staff member, you are expected to comply with all relevant legislation and RMIT policies, including those related to: Equal opportunity, Occupational health and safety, Privacy and trade practices & Child safety standards:

Appointees are responsible for completing all required training and ensuring that they and their team members remain up to date on relevant compliance obligations.

Staff are expected to understand and support RMIT's child safe practices as part of their professional responsibilities. More about our child safety commitment: <https://www.rmit.edu.au/about/our-locations-and-facilities/facilities/safety-security/child-safety>.

Leadership at RMIT

At RMIT, leadership is not defined by position or hierarchy—it is a shared responsibility demonstrated by all staff, regardless of role or title. Leadership is grounded in our six core values, which guide and shape how we work together, make decisions, and create impact.

Effective leadership means consistently integrating these values into everyday actions and interactions, whether influencing a project outcome, supporting a colleague, or leading a team. All staff are expected to embody the principles of the *Be-Know-Do* Leadership Model:

Be – We are open and authentic, inclusive and empowering. We are purpose driven role models and communicators.

Know – We are self-aware, and understand our stakeholders, our sector and priorities.

Do – We set clear direction and expectations, we develop ourselves and others and promote mutual accountability to deliver results.

At every level, leadership at RMIT is about influence, contribution, and mindset. It is reflected in how we empower others, foster collaboration, and drive positive change through capability-building and alignment to strategic goals.

College/Portfolio/Group

Office of the Chief Data & Analytics Officer supports and enables RMIT's business strategy by leading and driving the data and analytics agenda for the enterprise. This involves being accountable and responsible for:

- Developing and implementing RMIT's data and analytics strategy and ensuring ongoing alignment with university
- Defining requirements and standards for data and analytics technologies to be delivered by Information Technology
- Coordinating and governing data management activities for analytics and reporting
- Developing and coordinating advanced analytics capabilities to resolve key university challenges

Position Summary

The role is responsible for delivering key insights and information to stakeholders across the university by leveraging statistical modelling and machine learning techniques. The role will function in cross functional teams, established to deliver data and analytics solutions for our stakeholders. A key part of the role is to actively contribute to the development of best practices, methodologies and tools for how data science projects will be delivered in the university

Key Accountabilities

- Work collaboratively in cross-functional teams of analysts, data scientists, data engineers, business partners to deliver data and analytics solutions to the organisation, practising agile development
- Lead the design and development of reports and models leveraging advanced analytics
- Scope out complex business problems, and engage with stakeholders to design and build fit for purpose data science solutions that create genuine value for the university

- Conduct complex data analysis using statistical and machine learning techniques to derive insights which are communicated to stakeholders in concise and clear presentations
- Develop, maintain (resolve issues) and enhance existing data products, including datasets, data pipelines, ML models and dashboards
- Create and maintain detailed documentation related to data pipelines, ML processes, dashboards/reports
- Develop data science model prototypes and implement production level models using ML algorithms and tools
- Work collaboratively with members of the capability group (i.e. Data Science, Analysis and Visualisation guild) to lead the development of methodologies, tools and processes to continuously improve how data science projects are delivered in the university
- Coach and train junior staff members and other team members in applying data science standards and methodologies developed

Key Selection Criteria

Essential:

- Strong interpersonal, consultation, communication and presentation skills and a proven ability to work with diverse stakeholders across the enterprise
- Agility in delivering work across the breadth of data & analytics services: data pipeline development, data cleansing and preparation, data analysis, report/dashboard development, ML feature selection, ML/AI model development
- Strong work management skills including the ability to work independently across multiple tasks
- Strong problem-solving skills with the ability to develop innovative reusable solutions
- Knowledge of a variety of machine learning and artificial intelligence techniques (regression, statistical tests, deep learning text mining, decision tree learning etc) and proven experience of applying and evaluating machine learning techniques to solve business problems
- Strong programming skills using tools such as SQL, Python/R, AWS Sagemaker
- Demonstrated ability to coach and mentor junior staff members in the development of analytical skills and techniques

Desirable:

- Working knowledge of Snowflake for querying and using curated data
- Awareness of Snowflake Intelligence / Cortex concepts (e.g. agents, semantic views, semantic search)
- Foundational knowledge of dbt for data transformation and analytics engineering
- Experience with Git and version-controlled workflows

Qualifications

- Tertiary qualification in a related quantitative field (Data Science, Computer Science, Statistics, Mathematics, Data Analytics) is preferred.
 - Alternative credentials obtained in the field of data science will be considered.

Working with Children Check

Appointment to this position is subject to holding a valid Victorian Working with Children Check and other checks as required by the specific role. Maintaining a valid Working With Children Check is a condition of employment at RMIT.