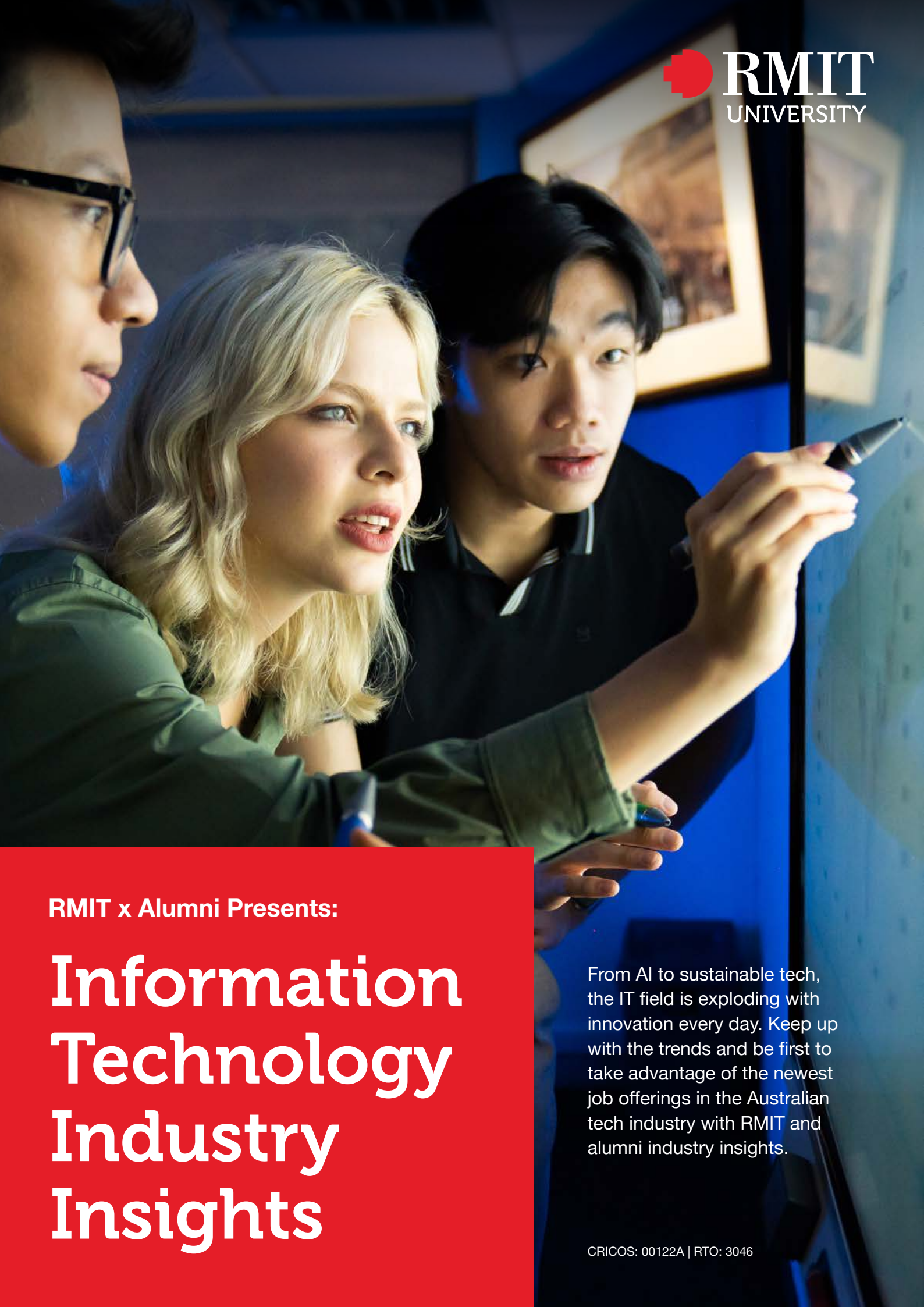


RMIT UNIVERSITY

RMIT x Alumni Presents:

Information Technology Industry Insights

From AI to sustainable tech, the IT field is exploding with innovation every day. Keep up with the trends and be first to take advantage of the newest job offerings in the Australian tech industry with RMIT and alumni industry insights.

CRICOS: 00122A | RTO: 3046

What's new and trending in tech?


RMIT's Virtual Experiences Laboratory

Sustainable Tech

Professionals in the tech sector are uniquely positioned to drive positive outcomes through technological integration and optimisation. Cloud-based solutions, energy efficient software systems and environmentally conscious-hardware that meets ESG goals[3] are just some of the ways this can be accomplished. By extension, information technology organisations have a significant role to play in Australia's 2050 carbon neutral goal.[4]

Cyber Security

In an era of technological evolution, cyber protection has to keep up. KPMG identifies that that almost all industries are preparing for the future by investing in cyber security to protect themselves from digital threats and data privacy concerns. The cyber security field also has its own new and emerging opportunities, including AI integrated data protection and supercharging security with automation.[2]

Augmented and visual reality

In recent years Augmented (AR) and virtual reality (VR) have made waves in healthcare, engineering and industrial settings. These spatial technologies have changed the way that simulations, design and even medicine function. Experts predict that AR and VR will open the way for more opportunities for immersive training and education in many industries.[7]

Blockchain

Blockchain isn't just the technology that powers cryptocurrency exchange – it's a hugely innovative decentralised digital database that has created exciting new digital solutions. Blockchain has applications that range from cyber security to data storage to e-commerce systems[5]. As this complex tech continues to integrate across the sector, professionals with an understanding of blockchain are forecast to become even more valuable to employers.[6]

Artificial Intelligence (AI)

AI is a hot topic in the tech world and beyond. AI tech will continue to expand in the coming years and so too will the demand for professionals who can make full use of AI systems. The TechCouncil of Australia predicts that AI could create up to 200,000 jobs in the Australian technology sector by 2030.[1]

RMIT Alumni insights

RMIT's alumni have lived the benefits of studying with us and are now working in the sectors and roles of their dreams. Many of RMIT's alumni are also business owners with insights about their chosen field.

Shahryar 'Shaz' Farji

Founder and CEO of 1receipt

I shift between roles, from being the CEO to tech lead managing engineers to debugging production bugs. I joined RMIT Activator in 2019 [which] provided me with valuable insights and guidance that helped shape my career from that point onward.

Why RMIT was the right choice?

My experience at RMIT provided me with strong software engineering skills, which helped in building the MVP version of 1receipt. It also gave me a deeper understanding of the technical aspects behind a software.

Alumni advice

To stand out, it's essential to continuously update your skills through self-learning, exploring the latest tools, and staying informed about industry trends. Whether you're aiming to join a company or launch your own startup, adaptability and a commitment to lifelong learning are key.

~530,686
total alumni globally

31% of RMIT's alumni studied Science, Technology, Engineering and Mathematics (STEM).

The top employer of RMIT STEM alumni is Telstra. RMIT has alumni chapters around the world including, China, UK, Singapore, Hong Kong and Sri Lanka.

James Kruss

Founder and Managing Director of RAPID BI

Why RMIT was the right choice?

I learn best by building and doing, rather than memorizing. Lecturers [at RMIT] actively engaged with industry and focused on the real-world skills employers expect from new graduates, not just theoretical knowledge.

Alumni advice

To truly lead, you have to bring your team along and know what's most important for the business. Yet career progression depends just as much on the goodwill and respect of others—especially management—as it does on your accomplishments.

James' tips for a career in IT:

- **The power of soft skills:** Technical expertise is essential, but the ability to rally people and let them contribute is what truly drives success.
- **Know your stakeholders:** Whether they're internal or external, understand their needs and use that as your guiding principle.
- **Be self-sufficient quickly:** Learn to work independently but reach out when you're stuck.

What are employers in the IT industry looking for?

Top 5 IT skills employers are looking for[9]

- Software and data analysis
- Software development skills
- Data engineering and modelling
- Proficiency in multiple coding languages
- Experience with cloud computing

Leveraging AI tools alongside human interaction is a trend that current and future students should embrace. The combination of AI and human expertise can make work more efficient and impactful.

- Shahryar Farji, RMIT Alumni

Backend vs frontend developer skills

Backend[10]

- Database management
- API knowledge
- Server application

Frontend[11]

- Responsive design
- Code testing and debugging
- Cross-browser development

In-demand skills across all industries[8]

- Project Management
- Communication
- Leadership
- Problem Solving
- Analytics

Putting the IT in RMIT

RMIT is ranked in the **Top 10** universities in Australia for computer Science and Information Systems.*

RMIT is also renowned for its commitment to hands-on learning with cutting-edge facilities and tools like the Virtual Experience Laboratory and our robotics equipment.

**QS World University Rankings by Subject 2025*

What's happening in the Australian IT job market?

Take advantage of RMIT's work-integrated learning opportunities and start building your professional network.

A glimpse into the average salaries of tech roles

- **Cyber Security Analyst**
  $110K per year[12]
- **Data Scientist**
  $125K per year[13]
- **Data Engineer**
  $135K per year[14]
- **IT Project Manager**
  $150K per year[15]

The most in-demand tech roles[16]

- Data Scientist
- Software Engineer
- User Experience Designer
- Data Engineer
- Network Security Engineer
- Business Intelligence Analyst

Did you know

Cyber security analyst roles

are expected to **increase almost**

40%

in the next 5 years.[12]

Over

63,700

of Australia's tech professionals are employed in

Database and Systems Administration, or ICT Security roles

95%

of these are full-time employees

and these roles have a median weekly earning of

$2,284[19]

Despite tech skills being in-demand, employers report that their **biggest skill gap is** **digital skills.**

80%

of the skills that surveyed employers said their businesses lacked were **digital skills**.[17]

1.2M

tech-related jobs by 2030

Australia is currently on track to reach this goal with the support of a roadmap that will see increased training, education and job opportunity awareness.[20]

Consulting, data modelling, team collaboration, and negotiation are all critical to my role, and I honed each skill during my time at RMIT in software systems engineering.

– James Kruss, RMIT Alumni

According to a Hayes survey of over 1,000 businesses, the top source of **new cyber security hires are** **university graduates.**[18]

In 2024 **Data Engineers** had a

4.4 ★★★★½

job satisfaction rating according to Seek's career insight data.[14]

Rosie the Robot in one of RMIT's many tech facilities

RMIT Postgraduate IT courses

Prepare for the trends of tomorrow with RMIT's industry-engaged postgraduate courses.

The following courses are a sample of RMIT's postgraduate courses, there are many more on offer, including a selection of graduate certificates and graduate diplomas.

Master of Analytics

LEARN MORE

I was able to research for and work on a project for real industry client, build connection with fellow students, and practice soft skills such as communication, teamwork, and leadership skills.

– Ting Li,
Master of Analytics

CAREER OUTCOMES:

- Data Scientist
- Business Analyst
- Statistician
- Data Consultant
- and more...

Master of Information Technology

LEARN MORE

CAREER OUTCOMES:

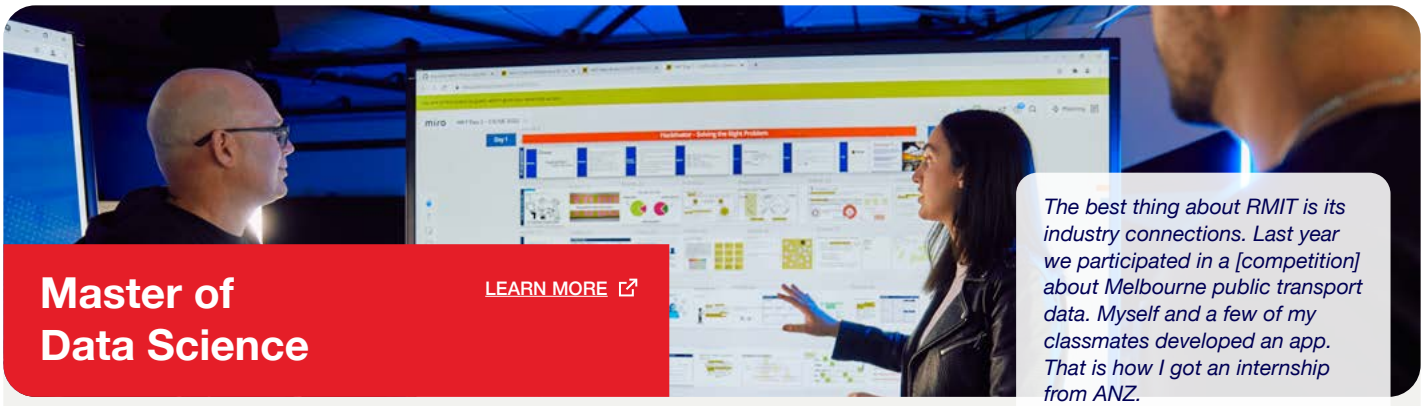
- IT Project Manager
- Mobile App Developer
- Cloud Architect
- Web Developer
- and more...

Master of Cyber Security

LEARN MORE

CAREER OUTCOMES:

- Cyber Security Analyst
- Forensic Analyst
- IT Risk Specialist
- Digital Security Auditor
- and more...



Master of Data Science

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The best thing about RMIT is its industry connections. Last year we participated in a [competition] about Melbourne public transport data. Myself and a few of my classmates developed an app. That is how I got an internship from ANZ.

– Tanyya Varshney, Master of Data Science

CAREER OUTCOMES:

- Data Scientist
- Business Intelligence Developer
- Data Engineer
- Web Analyst
- and more...

Master of Artificial Intelligence

LEARN MORE

The technology sector changes every day, so we have to ensure we're keeping up with the technology and education sectors to deliver a cutting-edge student experience.

– Professor John Thangarajah, Associate Dean, Computer Science and Software Engineering

CAREER OUTCOMES:

- AI Engineer
- Machine Learning Engineer
- Web Analyst
- Business Intelligence Developer
- and more...

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