

# Shane Carmichael



Data Analyst | Data Scientist | MBA Finance | Engineer

Website and Online Portfolio: [www.shanoai.com](http://www.shanoai.com)

Data analyst with experience in data science, business management, problem solving, engineering design and automation. Currently teaching data science and AI at the UTS industry accredited Institute of Data. Mechatronic engineering background, with an MBA majoring in Finance, pivoting my career to data science, machine learning, automation, and AI. Key practical workplace skills and strengths I can bring to an organisation include analytical skills, business management, leadership, critical thinking, stakeholder management, problem-solving and consultation.

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🐙 <https://github.com/ShaneCarmichael>

## Education

2021

**University of Technology Sydney & IOD Australia**

Certificate in Data Science & AI

2010-2014

**University of Technology Sydney**

Masters in Business Administration

2000-2005

**University of New South Wales**

Bachelor of Mechatronic Engineering

## Technical Skills

- Excel
- Python
- Automation/PLC
- Engineering Design
- SQL
- Pandas
- Tableau
- AWS Cloud

## Interpersonal Skills

- Problem Solving
- Sales/Marketing
- Presentation
- Collaboration

## Volunteer Organisations

NSW AIRAH Committee President  
2012-2016

## Interests

AI and machine learning, triathlon, cycling, kiteboarding, golf, basketball

## Experience

**Foodbuy Online - Data Analyst/ Client Specialist** 2021- Present

- Support the client strategy team with data analytics
- Provide data reporting and market insights using Tableau dashboards

Key Achievement: Developed new data driven reporting structures for key third party clients

**Institute of Data - Assistant Trainer Data Science, ML and AI** 2022- Present

- Support the head trainer and students with lecture offerings, tutorials sessions and consistent feedback

**Air Change Group – General Manager and Director** 2015-2021

- Oversee operations across all four subsidiaries of the Air Change Group. Air Change is a manufacturer of specialized HVAC equipment.

Key Achievements: Increased annual revenue by 25% from 2015 - 2021

Helped develop the Climasync control system to automate the operation of complex HVAC equipment. Included remote monitoring, control and diagnosis.

**Air Change Australia - NSW/ACT State Manager** 2009-2015

- Led the NSW sales engineering and technical support team of Air Change Australia
- Promoted into manager role after 4 years as an engineer

Key Achievement: Awarded AIRAH future leader award in 2010