

# Dean Marchiori

STATISTICIAN | SENIOR DATA SCIENTIST

BSc(Math)(Medal), MAppStat, MAppFin, AStat

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## Experience

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### Endeavour Energy

DATA ANALYTICS MANAGER

Apr 2021 - Present

- Established and managed Endeavour's first Data Science team
- Bushfire and vegetation risk modelling
- Airborne LiDAR & geospatial analysis

SENIOR DATA SCIENTIST

Oct 2019 - Apr 2021

- Bush fire risk modelling on the electricity grid
- Vegetation management optimisation and risk modelling
- Developed time series models for weather anomaly detection across the network.

### Macquarie University

SESSIONAL TEACHING ACADEMIC - SCHOOL OF MATHEMATICAL AND PHYSICAL SCIENCES

Feb 2022 - Present

- Casual instructor in Mathematics & Statistics

### Internetrix

HEAD OF DATA SCIENCE

Mar 2018 - Oct 2019

- Led 2 x major research projects with the University of Wollongong SMART Infrastructure Facility
- Product development of real time anomaly detection software
- Advanced statistical modelling and consulting

### IRT Group

SENIOR STATISTICIAN

Nov 2016 - Mar 2018

- Unsupervised ML / Clustering / Segmentation
- Queuing Simulation & Wait-Time Optimisation
- Experimental Design & AB Testing

### ANZ Banking Group

SENIOR DATA ANALYST

May 2014 - Oct 2016

- Advanced statistical modelling
- Built marketing campaign analysis apps (Shiny)
- Programming in R, SAS, SQL

BUSINESS INTELLIGENCE ANALYST

Oct 2012 - May 2014

- Designed call centre and queuing optimisation methods
- Completed time series analysis
- Implemented major telecommunications technology project

EQUITIES TRADER

Jun 2011 - Oct 2012

- Trading domestic and international equities, warrants, managed funds

## Education

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### Macquarie University

Sydney, Australia

MASTER OF APPLIED STATISTICS

2020 - 2021

- GPA of 6.87 out of 7
- Awarded Macquarie University Award for Academic Excellence
- Awarded Julian Leslie Prize in Statistics

### Charles Sturt University

Bathurst, Australia

BACHELOR OF SCIENCE (MATHEMATICS)

2013 - 2017

- GPA of 6.87 out of 7
- Awarded Undergraduate University Medal
- Mathematics Major
- Statistics Minor

- Major in Financial Markets and Trading
- Graduated with Distinction

## Awards & Achievements

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### AWARDS

2021	Julian Leslie Prize in Statistics	Macquarie University
2021	Macquarie University Award for Academic Excellence	Macquarie University
2019	Placed #8 in Top 25 Analytics Leaders in Australia	IAPA
2017	Undergraduate University Medal	Charles Sturt University
2017	Faculty of Science - Executive Dean's List Award	Charles Sturt University
2016	Faculty of Science - Executive Dean's List Award	Charles Sturt University
2015	Faculty of Science - Executive Dean's List Award	Charles Sturt University
2005	Order of Australia Certificate of Commendation	Council of the Order of Australia
2005	Young Australian of the Year (Shoalhaven)	Aust. Day Council

## Organisations

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### Statistical Society of Australia

ACCREDITED STATISTICIAN

Australia

2020

- Holds the 'Accredited Statistician' professional accreditation
- Committee Member - Statistical Computing and Graphics

### CSIRO Mathematicians in Schools

MATHEMATICS CONSULTANT

Wollongong, Australia

2015

- Implemented intro coding/robotics program (EDISON) & basic maths for primary schools students.

### JCI Illawarra

DIRECTOR OF FINANCE

Wollongong, Australia

2011

- Co-Launched JCI MentorMe mentoring program

### St John Ambulance Australia (NSW)

FIRST RESPONDER

NSW

2006

- Over 500hrs as front line first responder to medical emergencies
- Received Order of Australia Commendation and Young Australian of the Year Award (Shoalhaven)