

DR REBECCA MCELROY

ASTROPHYSICIST & DATA SCIENTIST

CONTACT

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Brisbane, Australia

SKILLS

Problem solving
Data analysis and visualisation
Communication and public speaking
Team leadership

EDUCATION

Doctor of Philosophy (Physics)
University of Sydney
2014-2017

CITIZENSHIP & LANGUAGES

Australian & British citizen
Native English,
Intermediate French & German

REFERENCES

Prof Tamara Davis

+61 7 336 53433
tamarad@physics.uq.edu.au

Prof Scott Croom

+61 2 9036 5311
scott.croom@sydney.edu.au

PROFILE

I am a passionate research scientist with 10 years experience in scientific data analysis and problem solving. I am an expert in analysing noisy data in tabular, time-series, and imaging formats, using Python and R.

I am a clear and dynamic communicator, experienced in presenting technical projects to both experts and non-experts.

I am looking for a rewarding position in which I can use my advanced technical skills beyond research.

WORK EXPERIENCE

Research Fellow

The University of Queensland 2021- present

- I am an independent research fellow in the School of Mathematics and Physics.
- I lead a team of thirty international scientists** in a collaboration using data from ground and space-based telescopes to understand nearby galaxies.
- I teach postgraduate level Astrophysics and supervise students in research projects.

Postdoctoral Researcher

The University of Sydney 2020-2021

- Coordinating undergraduate Astronomy courses which includes: lecturing, tutoring, exam creation and marking.
- Research as part of a team

Postdoctoral Researcher

Max Planck Institute for Astronomy 2017-2020

- Data processing, analysis, and verification for a large survey using Python and bash.

Equal Opportunity Officer

Max Planck Institute for Astronomy 2017-2020

- Workshop and lecture organisation
- Hiring oversight
- Conflict resolution and mediation