

Lewis Picker

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My bachelor and honours experiences in astrophysics has provided me with strong problem solving skills and proficiency in data analysis which culminated into a published [article](#). During my time as a lab technician I gathered experience in liaising technical information to stakeholders on potential issues and improvements.

Education

Feb 2021- Nov 2023 Bachelor of Science (Honours)

Monash University, Clayton

- Authored astrophysics paper and thesis
- GPA: 4.0, WAM: 87.0
- Achieved HD in data analysis unit

Feb 2017- July 2020 Bachelor of Science

Monash University, Clayton

- Majored in Physics and Astrophysics, Minor in Mathematics
- Completed a research project with high distinction
- GPA: 3.5, WAM: 80.5
- Deans List Award Recipient 2019

Projects

Feb 2021- Nov 2023 Astrophysics thesis

Monash University, Clayton Independent research was conducted as part of the Honours course which lead to a published paper within the Astrophysical Journal. Followed by an engaging presentation summarising key results from the research.

- Demonstrated ability to problem solve complex issues and learn independently.
- Analysed complex simulated data and successfully reproduced it with basic model parameters.
- Developed an advance level of proficiency in scientific writing.
- Achieved a high distinction for the thesis and presentation.

Recent work experience

Feb 2020- Present

Science and Mathematics Tutor

Self-employed

- Supported student learning and engagement in maths and science from the fundamentals for primary school students to complex theory for 2nd year undergraduates.
- Plan and discuss learning strategies with parents and students and creating revisory material for students to further their learning.
- Instil passion and understanding within students by correlating learning material with the natural world and their experiences.

Feb 2024- Present**NDIS support worker**

Self-employed

- Supports NDIS participants in home and garden maintenance.
- Accompany NDIS participants in recreational and social activities.
- Preparing weekly invoices for NDIS plan managers.

Feb 2021- Dec 2021**Lab Technician**

Rinoldi Pasta, Mulgrave

- Performed quality assurance, measured physical properties of products and ensured production adhered to regulations.
- Prepare and emailed certificate of assurance for products to the customers.
- Organised and maintained system of retention such that past products could be retested on demand.
- Responsible for minimising metal contamination by regularly cleaning magnets and reporting sources of metal findings.
- Responsible for preparing a variety of vitamin mixture additives.

Related Skills**Communication and interpersonal skills**

- Competent interpersonal, leadership and public speaking skills through experience on the committee of a university club and undertaking oral presentations in group meetings and across a large cohort.
- Ability to collaborate and liaise with stakeholders including the supervisor for my research projects, employees and relaying necessary information to my managers.
- Strong capacity to work as part of a team to achieve common goals through tutoring, my time on the committee of a university club, and numerous group laboratories and assignments.
- Competent in Microsoft Office Suite, SQL and programming languages such as Python.

Time management and problem solving

- Problem solving demonstrated through completion of a research projects and debugging of code, developing clear processes to identify problems and evaluate potential solutions.
- Ability to execute high volume tasks under pressure demonstrated through meeting assessment and report deadlines during my degree and providing certificates of quality assurance in a timely manner.

Referees available upon request.