

Oliver Stockdale  
(he/him)  
**Curriculum Vitae**

## Personal Information

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Email: [o.r.stockdale@gmail.com](mailto:o.r.stockdale@gmail.com)  
Mobile: (+61) 0405 423 536  
Work status: Australian citizen

## Qualifications

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Mar 2021	Master of Philosophy in Physics, <b>The University of Queensland</b> , Australia
Dec 2018	Bachelor of Advanced Science (Hons. I) in Physics, <b>The University of Queensland</b> , Australia Exchange Program to <b>University College London</b> , United Kingdom
Dec 2014	Queensland Certificate of Education, <b>Grace Lutheran College</b> , Australia

## Experience

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Aug 2022 - Present	<b>Air Quality Consultant, Katestone Environmental</b> , Australia Key responsibilities: <ul style="list-style-type: none"><li>• Working with clients to better understand the impact their business has upon both the local environment and wider climate and ensuring compliance with government legislation</li><li>• Applying scientific knowledge (meteorology, physics, mathematics) to solve clients' problems</li><li>• Modelling meteorology and emissions to quantitatively determine impacts of clients' activities to air quality</li><li>• Modelling greenhouse gas emissions for a wide range of industries</li><li>• Writing technical reports, including those for submission to Government</li><li>• Performing data analysis (e.g., R coding), including cleaning and manipulation of data</li><li>• Facilitating both internal meetings (with colleagues) and external meetings (with clients)</li></ul>
Oct 2020 - May 2022	<b>Graduate Research Assistant, Kirchhoff Institute for Physics, Heidelberg University</b> , Germany Key responsibilities: <ul style="list-style-type: none"><li>• Undertaking independent research and working within a wider collaboration to reach collective research goals</li><li>• Modelling of experiments using computer simulations utilising coding (Matlab, Python, C++) and problem solving skills</li><li>• Data manipulation and statistical modelling of both simulation data and experimental data</li><li>• Scientific and non-scientific writing. Preparing and delivering research talks at seminars, conferences, and informal group meetings</li><li>• Teaching duties, involving leading tutorials for advanced physics courses</li></ul>

Mar 2016 - Nov 2019	Academic Tutor, <b>The University of Queensland</b> , Australia
	Key responsibilities: <ul style="list-style-type: none"> <li>• Leading tutorials for a range of undergraduate physics courses ranging from first year to third year classes</li> <li>• Preparation of tutorial materials, e.g., summaries of lectures, writing sample problems, and marking assignments such as problem sets and laboratory reports</li> </ul>

## Service

Mar 2021 - May 2022	Student Representative, Equal Opportunities Team, <a href="#">ISOQUANT</a> , <a href="#">Heidelberg</a>
Feb 2021 - May 2022	Student Contributor, <a href="#">Physics World</a>
Apr 2019 - Sep 2020	Special Governance Committee - Education and Training, <a href="#">ARC Centre of Excellence in Future Low-Energy Electronics Technologies</a>
May 2019 - Sep 2020	Chair, UQ Bose-Einstein Condensate Journal Club
May 2019 - Sep 2020	Volunteer, UQ Physics Museum

## Scholarships and Awards

Mar 2023	Employee of the Month, Katestone Environmental
Jan 2021	Recommendation for Dean's Award for Outstanding Higher Degree by Research Thesis, The University of Queensland
Jun 2019	Runner-Up, School of Mathematics and Physics 3-Minute Thesis Competition
Apr 2019 - Sep 2020	Research Training Program Scholarship, Australian Government
Feb - Mar 2019	Australian Research Council Centre of Excellence for Engineered Quantum Systems Work Experience Scholarship
Jun 2016	The University of Queensland Student Exchange Scholarship
2015 - 2017	Student Research Scholarship, The University of Queensland (×4)
Jul 2015, Jul 2018, Dec 2018	Dean's Commendation for Academic Excellence, The University of Queensland (×3)
Nov 2014	Runner-Up Dux of Grace Lutheran College

## Referees

Dr. Martin Gärtner Group Leader Heidelberg University marting@kip.uni-heidelberg.de (+49) 06221 545185	Mr. Simon Welchman Director Katestone Environmental simon.welchman@katestone.com.au (+61) 07 3369 3699
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