

EDUCATION	<b>The University of New South Wales</b>	Canberra, Australia
	<i>Ph.D. in Mathematics &amp; Statistics</i>	2026 ( <i>expected</i> )
	<ul style="list-style-type: none"> <li>• Advisors: Dr. Duncan Sutherland &amp; Prof. Jason Sharples</li> <li>• Research area: Computational fluid dynamics, Large-eddy simulation, Bushfire</li> </ul>	
	<b>The University of Melbourne</b>	Melbourne, Australia
	<i>M.Phil. in Mechanical Engineering</i>	2021
	<ul style="list-style-type: none"> <li>• Advisors: Dr. Daniel Chung &amp; Prof. Nicholas Hutchins</li> <li>• Grade: 91/100, H1 (<i>Outstanding First Class Honours</i>)</li> <li>• Research area: Turbulence, Computational fluid dynamics, Heat transfer</li> </ul>	
	<b>Temple University</b>	Philadelphia, USA
	<i>B.S. in Mechanical Engineering, magna cum laude</i>	2018
	<ul style="list-style-type: none"> <li>• GPA: 3.72/4.00 (<i>Dean's List</i>)</li> </ul>	
RESEARCH	<b>Computational modelling of ember storms at the wildland-urban interface</b>	
	<i>Ph.D. Dissertation</i>	
	<b>Effect of solidity on momentum and heat transfer of rough-wall turbulent flows</b>	
	<i>M.Phil. Thesis</i>	
EXPERIENCE	<b>The University of New South Wales</b>   Canberra, Australia	2022 - Present
	<ul style="list-style-type: none"> <li>• Develop a computational model of ember storm at the wildland-urban interface</li> <li>• Perform large eddy simulation (LES) on high-performance computing clusters</li> <li>• Investigate the effects of weather and building parameters on ember storms</li> </ul>	
	<b>The University of Melbourne</b>   Melbourne, Australia	2018 - 2020
	<ul style="list-style-type: none"> <li>• Developed roughness models using volume-of-fluid (VOF) method</li> <li>• Perform direct numerical simulation (DNS) on high-performance computing clusters</li> <li>• Investigated the effect of surface roughness on heat transfer in fluid flows</li> </ul>	
	<b>Temple University</b>   Philadelphia, USA	2015 - 2017
	<ul style="list-style-type: none"> <li>• Prepared multiferroic samples for data collection</li> <li>• Maintained VSM and strain measurement systems</li> <li>• Compiled and analysed magnetostriction data</li> </ul>	
TEACHING	<b>Computational Problem Solving – ZPEM1307</b>   UNSW	
	<b>Engineering Mathematics 1A – ZPEM1303</b>   UNSW	
	<b>Engineering Mathematics 1B – ZPEM1304</b>   UNSW	
	<b>Engineering Mathematics 2A – ZPEM2309</b>   UNSW	
	<b>Physics 1A – ZPEM1501</b>   UNSW	
	<b>Math and Physics Student Support</b>   Learning & Teaching Group, UNSW	
	<b>Introduction to Engineering – ENGR1101</b>   Temple University	

