

# Matthew James Phillips

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## Career Profile

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- 4<sup>th</sup> year Mathematics and Computer Science student at UNSW with a High Distinction Average
- Reliable computer scientist with a history of completing projects, to a high standard, under time pressure.
- Technically minded engineer with communication skills developed through team management and administration.
- Passion for back end/algorithm development with a focus on efficient and well-structured software

## Education

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<b>University of New South Wales</b>	<b>2015 - Present</b>
Bachelor of Computer Science/Bachelor of Science (Mathematics)	
<ul style="list-style-type: none"><li>- Weighted Average Mark (WAM): 85.7 – High Distinction (HD) Average</li><li>- 16 HD Subjects including: <b>Advanced C++, Algorithms, Operating Systems and Maths</b></li></ul>	
<b>Xavier Catholic College – ATAR: 98.7</b>	<b>2013 - 2014</b>

## Engineering Experience

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<b>TwoPi Code</b>	<i>Full Stack Engineer</i>	<b>2017 - Present</b>
<ul style="list-style-type: none"><li>- Responsible for backend and frontend design and development on various client projects.</li><li>- Primarily using a ReactJS, Flask and MySQL stack</li></ul>		
<b>University of New South Wales</b>	<i>Course Administrator</i>	<b>2018 - Present</b>
<ul style="list-style-type: none"><li>- Lead developer on Flask application, to integrate compulsory git usage into courses, which is used by ~700 students from 1<sup>st</sup> to 3<sup>rd</sup> year</li><li>- Point of contact for students with technical questions</li></ul>		
<b>University of New South Wales</b>	<i>Tutor/Lab Demonstrator</i>	<b>2017 - Present</b>
<ul style="list-style-type: none"><li>- Courses on Software Engineering Fundamentals and Microprocessors and Interfaces</li><li>- Effectively and engagingly delivered course content, reflected in end of semester feedback from students</li></ul>		

## Additional Experience

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<b>Takamiya Ryokan Miyamaso</b>	<i>Hotel Staff</i>	<b>2016</b>
<ul style="list-style-type: none"><li>- Customer service in a foreign country, focused on customer experience and interaction</li></ul>		
<b>Tutoring</b>	<i>Mathematics Tutor</i>	<b>2014</b>
<ul style="list-style-type: none"><li>- Tutored a high school student in Mathematics</li></ul>		

## Awards/Achievements

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Deans Honours List – (Highly Commended in 2017 & 2018)	<b>2016 - 2018</b>
4 <sup>th</sup> Overall in Bridgestone World Solar Challenge	<b>2015</b>
Lions Club Citizenship Award (only recipient)	<b>2014</b>
Academic Excellence at Xavier Catholic College	<b>2012 - 2014</b>

## Extracurricular/Community Involvement

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<b>UNSW Solar Racing Car Team, Sunswift</b>	<i>Energy Systems Lead</i>	<b>2016 – 2016</b>
<ul style="list-style-type: none"><li>- Responsible for Energy Team (approx. 7 engineers) progress and role allocation.</li><li>- Team management and leadership role</li><li>- Involved interfacing both within the team and multiple external companies</li></ul>		
<b>UNSW Solar Racing Car Team, Sunswift</b>	<i>Mech/Strategy Team Member</i>	<b>2015 - 2016</b>
<ul style="list-style-type: none"><li>- Member of the 27 core students selected to represent UNSW at the Bridgestone World Solar Challenge (BWSC)</li><li>- Heavily involved in the World Solar Challenge campaign and an effort to produce the first road-legal solar vehicle under M1 regulations</li><li>- Light involvement in improving existing strategy software (shell and python scripts to parse raw data files)</li></ul>		
<b>Byron Bay Lifesaving Club</b>	<i>Volunteer</i>	<b>2011 – 2015</b>
<ul style="list-style-type: none"><li>- Regular beach patrols</li><li>- Qualifications, including First Aid Certificate and Advanced Resuscitation Techniques</li></ul>		
<b>Leo's Club/St Vincent De Paul Society</b>	<i>Chairman/Secretary</i>	<b>2014</b>
<ul style="list-style-type: none"><li>- Represented both clubs at charity events</li><li>- Acted as a means of communication between the clubs and the wider school</li></ul>		

## Software Skills

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(\* = experience outside of university in a professional role)

C / C++ / *Python / *HTML / *Flask / *ReactJS	<b>Advanced</b>
Shell Scripting / CSS / JQuery / *SQL / Java	<b>Intermediate</b>
*Competent using Unix / *Linux environment / *Command Line	

## Referees

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Available upon request