

<b>AREAS OF INTEREST</b>	AI Alignment (Value Learning, Corrigibility, Transparency), Theory of Artificial Intelligence (Reinforcement Learning, Algorithmic Information Theory, Statistical Machine Learning), Economics (Agency Theory)
<b>DEGREES</b>	<p><i>Doctor of Philosophy in Computer Science</i>, 2016 – present University of California, Berkeley</p> <ul style="list-style-type: none"><li>• Studying AI alignment, supervised by Stuart Russell.</li><li>• Researcher at the Center for Human-Compatible AI.</li><li>• GPA: 4.00/4.00</li></ul> <p><i>Bachelor of Philosophy (Hons)</i>, 2012 – 2015 Australian National University</p> <ul style="list-style-type: none"><li>• Honours in Computer Science, undergraduate studies in Mathematics and Physics.</li><li>• Thesis: “Resource-bounded Complexity-based Priors for Agents”, supervised by Marcus Hutter.</li><li>• GPA: 7.00/7.00, 1<sup>st</sup> Class Honours.</li></ul>
<b>PUBLICATIONS</b>	<ul style="list-style-type: none"><li>• Loss Bounds and Time Complexity for Speed Priors. With Jan Leike and Marcus Hutter. AISTATS 2016.</li><li>• Self-modification of Policy and Utility Function in Rational Agents. With Tom Everitt (lead author), Mayank Daswani, and Marcus Hutter. AGI 2016, recipient of Kurzweil Prize for Best Paper.</li></ul>
<b>SELECTED AWARDS</b>	<p><i>University Medal</i>, Australian National University 2015</p> <ul style="list-style-type: none"><li>• Prize; awarded to students who have obtained First Class Honours (or Masters Advanced Equivalent) and demonstrated exceptional academic excellence across their studies, the highest academic prize for undergraduates.</li></ul> <p><i>Erin Brent Computer Science Prize</i>, Australian National University 2015</p> <ul style="list-style-type: none"><li>• Monetary prize; awarded to the student who achieved the best Honours result in any of the degree programs relating to Computer Science, Software Engineering or Information Technology.</li></ul> <p><i>National Merit Scholarship</i>, Australian National University 2012 – 2015</p> <ul style="list-style-type: none"><li>• Annual funding; awarded to the top ~ 0.5% of school leavers.</li></ul> <p><i>Hanna Neumann Prize for Second Year Mathematics</i>, 2013 Australian National University</p> <ul style="list-style-type: none"><li>• Monetary prize; awarded to the top student in second year mathematics courses.</li></ul> <p><i>Dean’s Commendation List</i>, Australian National University 2012</p> <ul style="list-style-type: none"><li>• Prize; awarded to students who achieve scores of 90 or above in all science courses in a particular year.</li></ul>
<b>INTERNSHIPS</b>	<p><i>Future of Humanity Institute, Oxford University</i> 2016</p> <ul style="list-style-type: none"><li>• Writing code for <a href="http://agentmodels.org">agentmodels.org</a>, a website designed to explain the use of probabilistic programs to build models of agents and perform inference about them.</li></ul>

<b>TEACHING EXPERIENCE</b>	<i>Teaching Assistant, MATH2322 Advanced Algebra 1</i>	Semester 2 2015
	ANU Mathematical Sciences Institute	
	<i>Teaching Assistant, MATH2320 Advanced Analysis 1</i>	Semester 1 2015
	ANU Mathematical Sciences Institute	
	<i>Teaching Assistant, COMP2610 Information Theory</i>	Semester 2 2014
	ANU Research School of Computer Science	
<b>UNDERGRAD RESEARCH</b>	<i>Summer Research Scholar</i>	Summer 2013–2014
	ANU Mathematical Sciences Institute	
	<ul style="list-style-type: none"> <li>• An investigation into the theory and practice of measure-theoretic image packing.</li> </ul>	
	<i>Undergraduate Research Projects</i>	2013, 2014
	ANU Research School of Computer Science	
	<ul style="list-style-type: none"> <li>• Extreme state aggregation beyond MDPs: Tightness of FRL bounds.</li> </ul>	
	Department of Quantum Sciences, ANU Research School of Physics and Engineering	
	<ul style="list-style-type: none"> <li>• Proofs of impossibility theorems regarding tests of oneself being in superposition.</li> <li>• An investigation into the self-gravitation of light in general relativity.</li> </ul>	