

## Conner Samuel Kummerlowe

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Downing College  
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<b>OBJECTIVE</b>	To obtain a PhD position and conduct research using computational methods to study Biological and Chemical processes	
<b>EDUCATION</b>	<i>MPhil. Computational Biology,</i>	October 2016 - August 2017 (Expected)
	University of Cambridge, UK	
	<i>Bachelor of Chemistry, Minor in Mathematics</i>	September 2012 - May 2016
	Pomona College, CA, USA	
	GPA: 3.88 out of 4.00	
	Additional Computer Science coursework: See Programming Skills	
<b>Research Experience</b>	<i>Johal Research Group Pomona College:</i>	2013 - 2016
	Physical Surface Chemistry research in soft nano-materials	
	Undergraduate Research thesis: <i>The Effect of the Surfactant DTAB on Polyelectrolyte Multilayers</i>	
	<i>Cattolico Research Group University of Washington</i>	2013
	Biological research using fluorescent microscopy and flow cytometry	
	<i>Intern, Intellectual Ventures</i>	2012
	Inventory and maintenance of Chemistry research laboratory	
<b>Programming Skills</b>	<i>Programming Languages:</i> Python, R, C++, Java	
	<i>Machine Learning:</i> Udacity Online Class	
	Completed five projects involving Supervised, Unsupervised, and Reinforcement Learning as well as exploratory data analysis and model validation methods.	
	<i>Computer Science Courses:</i> Object oriented programming, functional programming, recursion, complexity analysis, computer memory models, efficient data structures, analysis of data structures, extensive practice building programs, testing and documentation practices for software development	
<b>Academic Awards</b>	Downing Scholarship, awarded for study at Cambridge	2016-2017
	Organic POLYED Award for Top Organic Chemistry Student	2013-2014
	Jaeger Mathematics Prize for outstanding first year mathematics student	2012-2013
	Tileston Physics Prize for outstanding first year physics student	2012-2013
<b>Conference Presentations</b>	International Conference on Nanoscience + Technology, Vail, CO	2014
	American Chemical Society National Meeting, Dallas, TX	2014
	Summer Undergraduate Research Conference, Pomona College	2013, 2014, 2015