

# **Shane R. C. Allison**

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Research Interests	<b>Dynamics, controls, materials, &amp; nano-materials with applications to electromechanical systems smart valves, and multi-physics systems</b>	
Education	<b>San Diego State University, 92182, Ca, USA</b>	2014-
	M.Sc. in Mechanical Engineering – Dynamics & Controls	Now
	GPA: 3.77/4	
	<b>University of California San Diego, 92093, Ca USA</b>	2010-
	B.Sc. in Nanoengineering – Bioengineering	2013
	GPA: 3.02/4	
Graduate courses	<ol style="list-style-type: none"><li>1. Nanomaterials</li><li>2. Continuum Mechanics</li><li>3. Fundamentals of MEMS</li><li>4. Mechanical Behavior of Engineering Materials</li><li>5. Automatic Controls</li></ol>	
Work	<b>Kelly Scientific</b>	
	April 2014-July 2014	
	Mechanical, Optical, Electrical Assembler: Worked with an engineering team to assemble automatic and semi-automatic spectral analyzing devices. Also assembled and modified optics, light sources, photodetectors, ICs and objectives. In addition worked on R&D projects with the engineering team.	
	<b>UCLA Crump Molecular Imaging Institute</b>	
	June 2011 - September 2011	
	Research Assistant- Created Molecular Imaging Probes and Supramolecular Nanoparticles and used DLS and zeta-potential to confirm particle sizes and existence. Refined particle synthesis.	
Software	<ul style="list-style-type: none"><li>-Matlab/Simulink</li><li>-COMSOL: Electrostatics, Fluid Mechanics</li><li>-C</li><li>-Windows and Apple</li><li>-Word, Excel, Powerpoint, Prezi</li></ul>	
Personal	<ul style="list-style-type: none"><li>-Sports: Climbing, Snowboarding, and Swimming</li><li>-Fluent in English and Spanish</li></ul>	