

# Alanna Claire Schwartz

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<b>OBJECTIVE</b>	To obtain a stimulating and fulfilling full time position in chemistry that utilizes my diverse skills, social capabilities, and my motivation to continue expanding my knowledge.	
<b>EDUCATION</b>	Carnegie Mellon University - Pittsburgh, PA Mellon College of Science/BS Chemistry, May 2010 Cumulative GPA: 3.33	
<b>ACHIEVEMENTS</b>	High Honors Dean's List, Fall 2009 - Spring 2010 Good Clinician Practice Certification, September 2010 Collaborative Institutional Training Initiative Certification, September 2010	
<b>TECHNICAL SKILLS</b>	<b>LABORATORY</b>	
	<b>Chromatography</b>	Ion-exchange chromatography, thin-layer chromatography, high performance liquid chromatography, column chromatography
	<b>Spectroscopy &amp; Instrumentation</b>	Atomic absorption spectroscopy, nuclear magnetic resonance spectroscopy, infrared spectroscopy, visible spectrophotometry, ultraviolet spectrophotometry, gas chromatography, mass spectrometry, matrix assisted laser desorption/ionization time of flight mass spectroscopy
	<b>Purification</b>	Precipitation, recrystallization, acid-base extraction, organic extraction, simple distillation, steam distillation, rotary evaporation, vacuum distillation
	<b>Miscellaneous</b>	complexometric and neutralization titration, auto-titrations, reflux reactions, synthetic design, gel electrophoresis, circular dichroism, polymerase chain reactions, in-vitro transcription
	<b>COMPUTER</b>	Mathematica, Adobe Suite, HTML, Java Script, CSS, MS Office
<b>PROJECTS</b>	<b>Independent Study</b>	Researched the teaching methodology of the Organic Laboratory II and aided as a teaching assistant during the project. Developed innovative proposal for future course to be offered to other undergraduate students.
	Carnegie Mellon University, PA Fall 2009-Spring 2010	
	<b>G-quadruplex Project</b>	Synthesized modified PNA's that would form a G-quadruplex structure with DNA, specifically proto-oncogenes, to test its stability in comparison with other PNA strands.
	Armitage Lab, PA Fall 2009	
	<b>Armitage Lab</b>	Worked on Plasmodium Telomerase Inhibition through PNA with tasks including: synthesizing, purifying, and testing binding affinity of PNA, as well as probing for the RNA telomerase structure.
	Mellon Institute, PA Spring 2009- Fall 2009	
<b>EMPLOYMENT</b>	<b>The Miriam Hospital</b>	Internship where I worked in the cardiology research department as a Clinical Assistant in a teaching hospital assisting in paperwork and patient recruitment. Became GCP and CITI certified.
	Providence, RI August 2010-present	
	<b>Armitage Lab</b>	Continued ongoing research in the plasmodium project.
	Pittsburgh, PA summer 2009	
<b>ACTIVITIES</b>	Reactions (the official Chemistry newsletter), redesign layout and logo Mellon College of Science Ball, Chair Committee Member Chemistry Student Advisory Council, member Women In Science, member	