

# Robert Whitaker

420 S. Pugh St. Apt. #2  
 State College, PA 16801  
 (814) 574-6549 (cell)  
 rsw153@psu.edu  
[www.arche.psu.edu/thesis/eportfolio/current/portfolios/rsw153](http://www.arche.psu.edu/thesis/eportfolio/current/portfolios/rsw153)

<b>Objective</b>	To gain employment in structural architectural engineering.		
<b>Education</b>	<i>Graduation: July 2006</i>	<i>The Pennsylvania State University</i>	<i>University Park, PA</i>
	<ul style="list-style-type: none"> <li>▪ Bachelor/ Master of Architectural Engineering (ABET Accredited 5-year professional degree)</li> <li>▪ Structural focus</li> <li>▪ Semester standing: 5<sup>th</sup> year Senior</li> <li>▪ GPA: 3.66 / 4.00</li> <li>▪ Passed FE exam</li> <li>▪ Attended Leeds University, England</li> </ul>	Master Degree GPA: 3.92/4.0	Fall 2004
<b>Thesis</b>	Redesign of Parkview at Bloomfield Station and indeterminate seismic analysis		
<b>Masters Courses</b>	<i>Structural Engineering</i> <ul style="list-style-type: none"> <li>• Advanced Steel Design</li> <li>• Indeterminate Structural Analysis</li> <li>• Advanced Concrete Design</li> <li>• Modern Structural Systems</li> <li>• Design &amp; Theory of Masonry Structures</li> </ul>		
	<ul style="list-style-type: none"> <li>• Design of Wood Structures</li> <li>• Earthquake Engineering</li> <li>• Steel Connections</li> <li>• Building Failures</li> <li>• Prestressed Concrete Behavior &amp; Design</li> </ul>		
	<i>Specific Bachelor Courses</i> <ul style="list-style-type: none"> <li>• Architectural Acoustics</li> <li>• Plastic Analysis</li> </ul>		
<b>Computer Experience</b>	<ul style="list-style-type: none"> <li>▪ Autodesk REVIT 7.0 and AutoCad (13, 14, LT, 2000, 2002, 2004, 2005 and 2006)</li> <li>▪ STAAD III, Beam Check, Adoss, Enercalc, Risa 3D, ETABS 8, SAP2000 and RAM</li> <li>▪ Luxicon, C++, Matlab, and MS Office</li> </ul>		
<b>Work Experience</b>	<u><i>Cates Engineering</i></u>	<u>2 summer internships</u>	Centreville, VA 2004, 2005
	Structural Intern		
	<ul style="list-style-type: none"> <li>▪ Sized structural components and beams for townhouses, churches, condos and apartment buildings</li> <li>▪ Designed and analyzed all wood structural elements for Riverview Heights project, PA</li> <li>▪ Worked with PE's and supervised 2 draftsmen</li> <li>▪ Inspected rebar layouts and analyzed existing buildings structures on site visits</li> <li>▪ Conducted punch-list inspection of multi-story apartment buildings</li> <li>▪ Reviewed wall, floor, and miscellaneous metal shop drawings</li> <li>▪ Designed foundation systems, and retaining walls for numerous projects</li> </ul>		
	<u><i>Architecture Two Thousand</i></u>	<u>6 years</u>	Charles Town, WV 1998-2003
	Draftsman		
	<ul style="list-style-type: none"> <li>▪ Calculated beam sizes for new, renovated, and rebuilt houses</li> <li>▪ Supervised site visits punch-list inspection and field measuring for residential and commercial buildings</li> <li>▪ Drafted residential and commercial building plans with AutoCad and by hand</li> </ul>		
	<u><i>Research Assistant (Penn State)</i></u>	<u>3 years</u>	State College, PA 2003-2005
	Research Assistant		
	<ul style="list-style-type: none"> <li>▪ Assisted in conducting wind loading experiment on brick wall assembly</li> <li>▪ Reviewed building code requirements for design (IBC, IFC, IZC, and local codes)</li> </ul>		
<b>Awards</b>	<ul style="list-style-type: none"> <li>• Selected for The National Society of Collegiate Scholars</li> <li>• Achieved dean's list for 7 semesters</li> </ul>		
<b>Activities</b>	<ul style="list-style-type: none"> <li>▪ Architectural Engineering Envoy</li> <li>▪ Structural Engineering Association President (SEA)</li> <li>▪ Student Society of Architectural Engineers (SSAE)</li> <li>▪ Architectural Engineering Institute (AEI)</li> <li>▪ Tau Beta Pi National Engineering Honors Society (TBP)</li> <li>▪ Phi Alpha Epsilon Architectural Engineering Honors Society (PAE)</li> <li>▪ International Christian Fellowship Language Partner (ICF)</li> </ul>		
<b>References</b>	Available upon request		