



# Stephen D. Tat

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**Senior Thesis ePortfolio:**

<http://www.engr.psu.edu/ae/thesis/portfolios/2009/dpt5001>

**Permanent Residence:**

929 Cross Street

Philadelphia, PA 19147

<b>OBJECTIVE:</b>	To obtain an entry level position in an architectural engineering/structural firm to which I can contribute my architectural and engineering experience to a diversity of innovative projects, and to work towards a professional licensure as a structural engineer.
<b>EDUCATION:</b>	<p><b>The Pennsylvania State University, University Park, PA</b></p> <ul style="list-style-type: none"> <li>• <b>Bachelor of Architectural Engineering (B.A.E.)</b> <span style="float: right;">Expected: May 2009</span> <ul style="list-style-type: none"> <li>- 5 Year Professional Degree - ABET Accredited</li> <li>- Structural Focus</li> <li>- Accumulative 3.20/4.00 GPA</li> </ul> </li> <li>• <b>Minor in Engineering Mechanics</b> <span style="float: right;">Expected: May 2009</span></li> </ul> <p><b>Sede di Roma (Study abroad program in Rome, Italy)</b></p> <ul style="list-style-type: none"> <li>• <b>Minor in Architectural Studies</b> <span style="float: right;">Summer 2007</span> <ul style="list-style-type: none"> <li>- Studied architecture and structural analysis throughout Italy.</li> </ul> </li> </ul> <p><b>Central High, Philadelphia, PA</b></p> <ul style="list-style-type: none"> <li>• <b>Bachelor of Arts Degree (B.A.)</b> <span style="float: right;">June 2004</span> <ul style="list-style-type: none"> <li>- Science and liberal arts focus with an accumulative 3.80/4.00 GPA.</li> </ul> </li> </ul> <p><b>Fluent in Cantonese and Mandarin</b></p>
<b>HONORS:</b>	<ul style="list-style-type: none"> <li>• The University Trustee Scholarship <span style="float: right;">2004 - Present</span></li> <li>• Philadelphia Corps Scholarship <span style="float: right;">2004 - 2005</span></li> <li>• Dean's List</li> </ul>
<b>EXPERIENCE:</b>	<p><b>Research Assistant, University Park, PA</b> <span style="float: right;">Spring 2008 - Present</span></p> <ul style="list-style-type: none"> <li>• Provided assistance in setting and conducting research pertaining to curtain wall testing and evaluation under simulated seismic activity.</li> <li>• Assisted in analyzing, and organizing test collected data into graphs to depict meaningful representations.</li> </ul> <p><b>Studio Assistant, University Park, PA</b> <span style="float: right;">Summer 2007</span></p> <ul style="list-style-type: none"> <li>• Made sure environment is safe for students to work in.</li> <li>• Prepared space for an open studio environment.</li> </ul>
<b>ACTIVITIES:</b>	<ul style="list-style-type: none"> <li>• American Institute of Steel Construction <span style="float: right;">2007 - Present</span></li> <li>• Structural Engineer Association (SEA) <span style="float: right;">2007 - Present</span></li> <li>• Penn State Chapter of Architectural Engineering Institute (AEI) <span style="float: right;">2007</span></li> </ul>
<b>SKILLS:</b>	<ul style="list-style-type: none"> <li>• RAM Structural System</li> <li>• STAAD.Pro</li> <li>• AutoCAD 2006</li> <li>• AutoDesk Revit</li> <li>• Microsoft Office</li> <li>• SAP 2000</li> <li>• ETABS</li> <li>• PCA Slabs</li> </ul>
<b>PERTINENT COURSE WORK:</b>	<ul style="list-style-type: none"> <li>• Working Drawings (CAD)</li> <li>• Engineering / Architectural Graphics &amp; CAD</li> <li>• Design Analysis</li> <li>• Intermediate Structures</li> <li>• Introduction to Building Industry</li> <li>• Engineering Mechanics Courses: (Statics, dynamics, Strength of Materials I and II, NDE)</li> <li>• Soils Mechanics</li> <li>• Design of Steel &amp; Wood Structures</li> <li>• Advance Steel Design for Buildings</li> <li>• Advance Concrete Design for Buildings</li> <li>• Masonry Design</li> <li>• Senior Thesis</li> </ul>