

N. Kyle Tennant
5th Year AE Structures Option
Cell: 724-858-8143
nkt5004@psu.edu

Campus Address
224 South Burrows St. Apt. 308
State College, PA 16801

Permanent Address
200 Westview Dr.
Ligonier, PA 15658

Objective: To obtain an internship for summer 2010 in Architectural Engineering with a focus on structural systems, which would lead to a full time position upon graduation in December 2011.

Education: The Pennsylvania State University
5 year BAE/MAE of Architectural Engineering Program, Structures Option
Overall G.P.A. 3.40 Major G.P.A. 3.42
Graduation date December 2011

Relevant Undergraduate Courses

Steel Design	Engineering Mechanics
Concrete Design	Structural Analysis
Wood Design	Indeterminate Analysis
Masonry Design	Geotechnical Engineering

Graduate Courses

Steel Connection Design
Earthquake Design
Modeling of Bldg. Structures
Enclosure Design

Experience: Burt Hill AE Firm, Butler, PA **Summer 2008**

Lighting/Electrical Internship

Worked with Electrical Engineers on drawings in AutoCAD and MicroStation V8
Used electrical code to determine placement of system elements and panel loads

R. E. Helterbran Construction **Summer 2009 - 2010**

Assisted on multiple residential construction, framing and remodeling projects

Projects: Structural Projects

Senior Thesis Project: Hyatt Place North Shore in Pittsburgh, PA

Analyze the existing 7-story masonry bearing wall with precast concrete plank structure. Explore different options for the floor system and decide upon a way to change the structure to improve and compare to the existing design. The hotel is located on soft soil along the Allegheny River, so I plan to explore the possibility of a lighter weight structure in order to minimize the cost of foundations.

Indeterminate Analysis Tower Project: Conceptualize, analyze, design, build, and test a balsa wood tower. Goal is to maximize "Tower Function" or efficiency of system.

Skills:

AutoCAD	ETABS	SAP
MicrostationV8	STAAD.Pro	RAM
Revit	Risa	Adobe Products

Activities: Structural Engineers Association, Earthquake Engineering Research Institute

Honors: Dean's List-Fall 06, Spring 08, Fall 09

Interests: Skiing, mountain biking, running, soccer, basketball, film and photography
Structural interests were sparked as a kid when building small wood structures. I continue to build structures to bike and ski on; I basically just have always loved to build.