

http://www.engr.psu.edu/ae/thesis/portfolios/2009/sgh132/	Contact	School Address	Permanent Address
	sgh132@psu.edu	712 E Beaver Ave	RD 2 Box 245
	(814) 934-9125	State College, PA 16801	Williamsburg, PA 16693

OBJECTIVE:

To obtain a full time structural engineering position with the intention of pursuing a Professional Engineering license

EDUCATION:

The Pennsylvania State University, College of Engineering, University Park, PA May 2009
 Integrated Bachelor and Master of Architectural Engineering 5-year Professional Degree, Structural Option, ABET accredited
 Architectural Studies Minor GPA: 3.64/4.0, Dean's List Will obtain EIT status upon graduation

Sede di Roma, Rome, Italy Summer 2007
 Completed 12 credits of architectural design, architectural history, and medieval structural design through an intense 7-week study abroad program

EXPERIENCE:

Simpson Gumpertz & Heger Inc., Washington D.C. Summer 2008
 Assisted with the field investigation of a structural slab at a local horse stable to evaluate its structural integrity and determine the necessary degree of repair

- Assisted with performing ground penetrating radar (GPR) and half-cell potential testing on the concrete slab
- Documented the entire structure through sketches and photographs indicating areas of delamination, exposed reinforcement, and cracking

Assisted with a building envelope consulting project on a campus building currently under construction

- Attended biweekly site visits and documented site walkthroughs through notes and photographs
- Composed field reports summarizing observations from each visit and provided recommendations for distribution to architects, owner, and contractor

Performed water testing according to ASTM standards on a townhouse under construction

- Set up spray rack equipment and documented test procedure and observations

Assisted with the design of a handrail for a community of townhouses

- Performed design calculations including rail-base attachment and wind and impact loading on the rail
- Responsible for corresponding with railing manufacturers and local building inspector
- Developed a list of railing options to provide to the client

Office of Physical Plant, The Pennsylvania State University, University Park, PA Summer 2006-Spring 2008
 Analyzed the outdoor pool diving tower for necessary concrete repairs

- Located areas of concrete in need of repair and determined the amount of square footage of concrete and wood decking that needed replaced

Music Building theatre upgrades

- Analyzed roof structure above theatre stage to determine the amount of additional loading the truss members could support

COURSES:

Advanced Concrete Design, Advanced Steel and Wood Design, Steel Connections, Building Failures, Soils and Foundation Engineering, Building Modeling, Engineering Mechanics

COMPUTER:

Proficient in AutoCAD, SAP, ETABS, Photoshop, and Microsoft Office 2007

HONORS:

Phi Alpha Epsilon - Architectural Engineering Honor Society	Tau Beta Pi - The Engineering Honor Society
Simpson Gumpertz & Heger, Inc. Scholarship	Cubellis Scholarship
2-Time Division I USTFCCA Women's All-Academic Team	6-Time Academic All-Big Ten Team Selection
Spiritus Leoninus - Student Athlete Honor Society	2007 Cross Country Team Captain
2007 Track and Field Team Co-captain	

ACTIVITIES:

Spring 2008 Teaching Assistant for AE 210	Penn State Track and Field Team
Note writer for Nittany Notes	Penn State Cross Country Team