

Matthew Stephen Geary

Current: 427 E. Fairmount Ave.
State College, PA 16801

Phone: 724-454-8867
E-mail: msg5039@psu.edu

Permanent: 305 Downes Rd.
Greensburg, PA 15601

OBJECTIVE:

To obtain full time employment with a mechanical engineering design or installation firm ultimately leading to my professional engineer's license and opportunities for career growth.

EDUCATION:

- The Pennsylvania State University** University Park, PA
College of Engineering, Master of Architectural Engineering Expected 5/11
Current GPA: **4.00/4.00**
- College of Engineering, Bachelor of Architectural Engineering** Expected 5/11
Major: Architectural Engineering - Mechanical Option Minor: Architecture
Current GPA: **3.99/4.00** (153 Credits Earned)
5 Year ABET accredited professional degree
Eligible for EIT designation upon graduation
- Sede di Roma, Study Abroad** Rome, Italy
- Studied engineering of the ancient Romans through the Penn State AE department for 7 weeks.
 - Enrolled in 12 credits; through which I was also able to attain a minor in architecture.

EMPLOYMENT:

- Westinghouse Electric Company** Cranberry, PA
Installation Support Intern 5/10 – Present
- Gained invaluable experience working with the nuclear power industry by understanding the principles of nuclear power generation, the mechanical systems within the plant, and the construction process of the new AP1000 plant.
 - Reviewed drawings, performed constructability reviews, analyzed piping systems to ensure accuracy of the building model, and helped to formulate a master database linking each construction schedule item with a cost estimate and material takeoff.
- P.J. Dick Incorporated** Pittsburgh, PA
Project Estimator 1/09 – 4/09
- Worked hand and hand with the lead estimators calculating takeoffs, formulating hard bids, and enhancing relationships with owners and sub contractors.
 - **Solely responsible** for bidding my own divisions requiring no supervision from my superiors.
 - Retained valuable knowledge regarding the professional business world, engineering ethics, and large scale construction.
- Geary Construction Company** Greensburg, PA
Superintendent/Carpenter 6/01 – 8/09
- Owned by my father, specializing in building custom homes and small commercial buildings from the ground up.
 - Gained experience in every facet of the home building and small scale construction industry.
 - **Supervised** the crew on a regular basis, implemented **time management strategies**, reviewed blueprints, and worked with estimating and material take-offs.
- G&H Lawn & Home Improvement** Greensburg, PA
Owner, Carpenter/Landscaper 4/06 – Present
- Founded and developed a lawn and home improvement business specializing in full-service lawn maintenance and home improvement projects (i.e. roofing, painting, deck, and fence construction).
 - Gained experience fostering client relationships, marketing, budgeting finances, estimating jobs, and take-offs.

SUMMARY OF QUALIFICATIONS:

Skills- Trane Trace, Navisworks, AutoCad, Revit, EES, Microsoft Office, Dreamweaver, heavy equipment operation, carpentry, masonry, plumbing, and wiring

Technical Classes- Construction Management, Power Distribution, Structural Analysis, Advanced Structures, HVAC, Advanced HVAC, HVAC Design, Hot Water & Steam Systems, Central Cooling, Controls, Thermodynamics, Heat Transfer, Fluid Flow, Combined Heat and Power, Indoor Air Quality, and Computational Fluid Dynamics

COLLEGIATE HONORS:

Freshman Award, awarded to freshman students earning a 4.0 cumulative GPA
Sparks Award, awarded to sophomore students earning a 4.0 cumulative GPA
Evan Pugh Junior Award, awarded to the top 0.5% of juniors at Penn State University
Evan Pugh Senior Award, awarded to the top 0.5% of seniors at Penn State University
Melvin E. Isenberg Award, building mechanical systems scholarship awarded to the top mechanical student
Tau Beta Pi, Engineering Honor Society, PSU chapter; selected by Dean of Engineering as one of Penn State's top engineers
National Society of Collegiate Scholars, PSU chapter
Penn State Dean's List, awarded 8 out of 8 semesters
Golden Key International Honor Society, recognition for being in the top 15 percent of class at Penn State
Tau Phi Delta Academic Award, awarded for highest cumulative GPA in fraternity chapter

LEADERSHIP:

Tau Phi Delta Fraternity 1/07 - Present
Activities Chair

- Independently initiated and organized a \$5,000 annual white-water rafting trip for the current brothers and alumni.

Social Enrichment Chair

- Organized social events and activities for the fraternity within the Penn State community.
- Enforced strict Penn State Interfraternity Council policy and oversaw that our fraternity obeyed all regulations.

New Member Orientation Chair

- Oversaw the new member orientation process and administered testing to new members of the fraternity.

Intramural Sports Team Captain

- Served as the team captain and leader for football, volleyball, dodgeball, softball, and basketball.

PROFESSIONAL MEMBERSHIPS:

Mechanical Contracting Association of America (MCAA) 8/09 – Present
Treasurer, Penn State Chapter

- Lead Penn State engineers in a national design competition between universities from across the United States to re-design and value engineer the mechanical systems for various projects.

American Society of Heating Refrigeration and Air-Conditioning Engineers (ASHRAE) 8/09 – Present

- Attend monthly seminars and lectures at Penn State from professionals across the globe, as well as the yearly seminar, which is a 5 day conference held in various cities across the U.S.

North American Young Generation in Nuclear (NA-YGN) 5/10 – Present

- Attend sessions and actively involve the community and young engineers to get involved with nuclear energy.

Pennsylvania Home Builders Association, Somerset Chapter 6/04 – Present

- Attend monthly meetings regarding the home-building industry.

National Home Builders Association 6/04 – Present

COMMUNITY SERVICE:

Milton S. Hershey Medical Center Four Diamonds Fund 1/07 – Present
Volunteer

- Raise funds for children with cancer as part of Penn State's Dance Marathon (THON), the largest student-run philanthropy in the world.

Red Cross 1/07 – Present
Volunteer

- Assist in sponsoring and facilitating Penn State's bi-annual blood drives.

Tau Phi Delta Fraternity 1/07 – Present
Volunteer

- Bi-annually participate in trail clean up and park maintenance for Stone Valley and Lederer Parks.

References: Available upon request