

JAKE RYAN POLLACK

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❖ EDUCATION

THE PENNSYLVANIA STATE UNIVERSITY, THE COLLEGE OF ENGINEERING, University Park, PA

Master and Bachelor of Architectural Engineering – ABET accredited, 5-year Professional Degree – May 2011

Major: Architectural Engineering, emphasis on Structural Engineering SENIOR GPA: 3.54 GPA: 3.21

Minor: Architecture

LA MAGIA INSTITUTE, DEPARTMENT OF ARCHITECTURE, Rome, Italy

Summer 2008

Related Graduate Coursework:

Advanced Concrete Design

Computer Modeling of Building Structures

Advanced Steel Design

Design for Masonry Structures

Advanced Wood Design

Indeterminate Structural Analysis

Analysis and Design of Steel Connections

Interdisciplinary Building Information Modeling

Building Performance Failures and Forensic Techniques

Building Enclosure Science and Design

❖ EXPERIENCE

GILSANZ MURRAY STEFICEK LLP, New York, NY

Intern, Structural Engineering Department

May 2010 – August 2010

- ♦ Examined adequacy of existing beams, girders, columns, slabs, shear walls and roof dunnages and proposed additional reinforcing or new structural members as needed.
- ♦ Analyzed and verified various steel connections.
- ♦ Evaluated and suggested alternative solutions to deflection, punching shear and reinforcement problems for proposed floorplans.

TOM WELCH CONTRACTING, Cherry Hill, NJ

Contractor

May 2009 – August 2009

- ♦ Performed renovation work on residential housing and prepared new construction for presentation.

NAVE NEWELL, Cherry Hill, NJ

Intern, Civil Engineering Department

June 2006 – August 2006

- ♦ Assisted in the production of the following for commercial and residential developments: Site Layout and Geometry, Site Grading and Earthwork Analysis, Storm Drainage, Stormwater Management Design, Floodplan Analysis, Roadway and Utility Design, Erosion and Sedimentation Control.

❖ ACCREDITATIONS / AWARDS / LEADERSHIP

Eligible for EIT Designation upon Graduation

Spring 2010

Simpson Strong-Tie Structural Engineering/Architecture Student Scholarship

Spring 2010, Spring 2011

President, Structural Engineering Association

April 2010 – Present

Mentor, Student Society of Architectural Engineers

January 2009 - Present

Dean's List

Summer 2008, Fall 2009, Fall 2010

Executive Board Member, Alpha Epsilon Pi Fraternity

August 2007 – January 2009

❖ TECHNICAL SKILLS

Proficient in:

| AutoCAD

| EnerCalc

| ETABS

| DeconSTDesign

| MathCAD

| Microstation

| RAMSBeam

| Revit

| RISA-3D

| RISA-Section

| SAFE

| SAP2000

| STAAD