

HOWELL JOSEPH HENRY

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JOB OBJECTIVE

To build on my educational, professional, and cultural experiences with a full-time position beginning Summer 2006 catering to building-specific structural design and professional certification

EDUCATION

Penn State University University Park, PA Aug 2001 – May 2006

Integrated Bachelor and Master of Architectural Engineering

- Structural Design Concentration, will receive E.I.T. status upon Graduation
- Thesis Webpage: <http://www.arche.psu.edu/thesis/eportfolio/current/portfolios/hjh139/>
- Study Abroad Program, University of Leeds, United Kingdom
- Cumulative GPA: 3.85 / 4.0

APPLICABLE SKILLS

Structural Design

- Experienced with designing and assessing structures in Steel, Masonry, Concrete, and Wood in both a classroom and professional setting
- Familiar with Finite Element Structural Analysis, Steel Connections, Forensic Engineering, Seismic Design, and Prestressed Concrete through the Graduate Program

Computer Related

- In-Class and Office experience with AutoCAD, STAAD, RAM, VisualAnalysis, EnerCalc, and ANSYS

RELEVANT EXPERIENCE

Hayes, Seay, Mattern, & Mattern Washington, DC May 2005 – Aug 2005

Structural Design Intern

- Completed design calculations, construction documents, and site measurements for the restoration of Building 101 on the Navy Yard in Southeast Washington, DC
- Reviewed as-built construction documents and assessed current structural capacity for a mechanical renovation of Yeager Airport in Charleston, WV
- Collaborated with Architects, Construction Managers, and Mechanical, Electrical, Civil, and Lighting Engineers to assess possible structural systems and create bid documents for the Joint Medical Research Facility in Frederick, MD
- Assisted with drawings, design, research, and correspondence for numerous other projects

ACTIVITIES AND AWARDS

Penn State Crew Captain, Safety Officer Sept 2001 - Present

- Varsity Lightweight Rower

National Association of Homebuilders Secretary Sept 2001 - Present

- Recipient of Hankin Group Scholarship and Pennsylvania Builders Association Travel Grant

Schreyer Honors College Scholar Sept 2001 - Present

- Recipient of Honors Scholarship and Schreyer Travel Grant

Phi Alpha Epsilon AE Honor Society Apr 2005 - Present

- Recipient of Most Outstanding Structural Student and Gladys M. Baird Department Scholarships

Philadelphia Marathon Finisher November 2003

ADDITIONAL EMPLOYMENT HISTORY

Clyde's Restaurant Group Columbia, MD May 2004 – Jan 2005

Penn State Natatorium University Park, PA Aug 2003 – May 2004

US Aquatics Arbutus, MD June 2003 – Aug 2004

Nob Hill Swim Club Ellicott City, MD May 2000 – Aug 2004

Woodbridge Valley Pool Baltimore, MD May 1996 – Sept 1999