

OBJECTIVE

Pursue a career in designing healthy, enjoyable, living and working environments with my skills in mechanical engineering. To gain the technical knowledge, salesmanship, and team-working skills to advance the company I work for, and promote the overall efficiency, identity and sustainability of our built environments.

EDUCATION

The Pennsylvania State University, University Park PA - Master of Architectural Engineering in the Mechanical Option

- ABET Accredited, Graduation Expected December 2006
- GPA 3.21, Major GPA 3.5, Passed Fundamentals of Engineering exam

EXPERIENCE

Buro Happold Consulting Engineers 105 Chambers Street, New York, NY (Structural and MEP consultants, specializing in sustainable and comprehensive design)

MEP Intern, Summer 2005

- Designed Heating and Cooling systems for a LEED rated residential building
- Justified LEED points, assisted design of air systems and other components to meet criteria
- Created energy models for use of HVAC design and review

Whiting-Turner Contracting Company School of Architecture and Landscape Architecture Building Jobsite, Penn State Campus. (General Contractors, Project Manager)

Project Engineering Intern, Spring & Summer 2004

- Tracked LEED points for waste management, recycled content, reflectivity and other criteria
- Evaluated mechanical submittals for compliance and accuracy
- Completed take-offs and estimating for modification contracts

Pennsylvania Department of Transportation King of Prussia, 6-0 District Office. (Design, road construction, maintenance and traffic management agency for Pennsylvania.)

Engineering, Science, and Technology Intern, Summer 2003

- Assisted management of PennDOT's winter maintenance properties
- Inspected repairs done on area bridges, assisted writing contracts for repairs on bridges

University City Science Center 2701 Market Street Philadelphia, PA. (Non-profit owner of over twelve Philadelphia, Delaware, and Camden buildings. Manages "incubator" or shared resource space for info-tech and biotech startups)

Intern, Summer 2002

- Calculated rent by factoring rentable & common space and shared resources of five Market Street buildings
- Attended progress meetings and job sites to aid and document business with tenants and contractors

COMPUTER SKILLS

- AutoCAD, Sciencedesk CAD, Dreamweaver, Carrier HAP, Trane TRACE, STAAD III, EES, Luxicon
- Microsoft Excel, Word, PowerPoint, and Explorer

ACTIVITIES & AWARDS

- Vice President for National Association of Homebuilders Student Chapter 2004, Volunteer Coordinator 2003&2005
- Franklin Ruth Memorial Scholarship 2005
- Travel award to NAHB Convention for Sustainable Homebuilding essay 2003, NAHB Scholarship Recipient 2004
- Research work creating HVAC Learning Playground with Dr. Jelena Srebric 2005-2006
- ASHRAE Student Member 2004-2005, SWE Member 2003-2005, Penn State Jazz drummer 2001-2003
- Habitat for Humanity volunteer for Penn State, Bucks, Montgomery, and Centre Counties 2003-2005