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College Address
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Portfolio & Senior Thesis: www.engr.psu.edu/ae/thesis/portfolios/2008/mww147

Objective

To obtain a design internship for the summer with an interest in full-time employment, prior to attending graduate architecture school in the fall.

Education

The Pennsylvania State University - University Park, PA
Bachelor of Architectural Engineering, in the structural systems option (2.96 GPA)
Architecture Studies Minor (34 credits of design studios and theory courses)
Five year, ABET accredited professional degree

Expected May 2008

Experience

Senior Thesis

2007- 2008- Penn State

- Analysis and redesign of Temple University Multipurpose Health Science Center.
- Performed lateral and gravity analysis of structural system.
- Will propose alternative structural design and façade system, including an analysis of sustainability and architecture.

Architecture Apprenticeship

Hannes Weber, Architect

2007- Zurich, Switzerland

- Worked closely with the architect to learn about design techniques and theory, as well as bidding and proposals.
- Designed elements of home renovations including an entrance, sunroom edition, landscaping, and furniture layouts.
- Introduced Sketchup 3D modeling program to firm.

Solar Decathlon Home Construction

2007 fall- Penn State

- Constructed home with an integrated team, thereby learning about various green systems and sustainability issues.
- Gave tours of home during the competition in English and German, teaching the public about sustainability.

Sustainability Design Studio

2007 spring- Penn State

- Designed a prototypical green and affordable home to be used in the Katrina rebuilding effort.
- Collaborated with client and LEED rating firm on a multidisciplinary team.

Engineering Internship

M.C. Dean, Inc

2006- Washington, DC

- Prepared preliminary bid estimates and performed schematic fire systems design.
- Experienced coordination of the design team, construction manager, and owner, such as for the Pentagon renovation.

Teaching Assistant

2006 fall- Penn State

- Taught fundamentals of heating, ventilation, and air conditioning to two classes of thirty students, concurrently to my undergraduate coursework.

Awards

Winner Bank Design Competition

2004 fall- Penn State

- 1st place in an extracurricular bank design competition
- Collaborated with finance, marketing, and AE majors to present final project to the Kish Bancorp CEO and directors.

Computer Skills

- Autocad 2008 (2D and 3D)
- Adobe Photoshop
- Sketchup
- Microsoft Office
- Windows & Mac OS X
- Structural Software:
SAP 2006, STAAD, RAM

Activities

- Sail Club

Other Language

- Fluent German
- Basic French