

# ERIC M. ALWINE

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[www.arche.psu.edu/thesis/eportfolio/current/portfolios/ema134/](http://www.arche.psu.edu/thesis/eportfolio/current/portfolios/ema134/)

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Objective: To obtain a position in order to gain valuable experience in the field of Architectural Engineering, with a structural emphasis.

Education: **The Pennsylvania State University, University Park, PA**  
Integrated Bachelor/Master of Architectural Engineering  
Structural Option  
5-year Professional Degree – ABET Accredited  
Graduation: December 2006  
Cumulative GPA: 3.44/4.00  
**Passed Fundamentals of Engineering Exam (April 2004)**

Relevant Courses:

Statics & Dynamics	Pre-stressed Concrete
Strength of Materials	Indeterminate Structures
Structural Analysis	Wood Design
Concrete Design	Steel Design

Work Experience: **Skarda & Associates Incorporated, Baltimore, MD** (Summer 2004, 2005)  
Engineering Intern

- Performed engineering calculations on residential housing, stair stringers, stair connections, and handrails according to specified code
- Applied engineering principles to the design of steel and wood beams
- Worked with architects and contractors to ensure a proper design by the specified deadline



Activities:

- **Student Society of Architectural Engineers** (2002 – Present)
  - 5<sup>th</sup> Year Representative
- **American Indian Housing Initiative** (2005)
  - Assisted in the construction of a straw built Early Childhood Learning Center on the Northern Cheyenne Indian Reservation
- **Church Youth Group** (1994 –2003)
  - Participated in and helped organize a variety of church activities
- **Boy Scout Troop 118** (1994 – 2001)
  - **Eagle Scout**
    - Held several leadership positions
    - Guided and assisted younger scouts through the ranks
    - Designed and built ten wooden benches for my church to use in outdoor services for my community service project

**Intramural Sports** (2001 - Present)

Computer Skills:

AutoCAD	Microsoft Office
Enercalc	RAM Advanse

\*References available upon request\*