

Mathew Nirenberg

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<http://www.arche.psu.edu/thesis/eportfolio/current/portfolios/mpn124/index.htm>

Seeking Entry Level Structural Engineering Position

Highly professional engineering undergraduate student with a reputation for improving quality, efficiency and client satisfaction during previous full-time summer internships.

Education

Pennsylvania State University University Park, PA
Bachelor of Architectural Engineering, Structural Emphasis
5-Year Professional Degree – ABET Accredited
Projected Graduation Date: **May 2006**
GPA: 3.15 Major GPA: 3.48

Completed Courses:

- Structural Analysis
- Steel
- Concrete
- Masonry
- Wood
- Advanced Steel
- Soils and Foundations
- Advanced Concrete
- Indeterminate Analysis
- Modern Structures

Software Experience:

- MS Office, AutoCAD, RISA 3D, RAM, SAP 2000, STAAD, ETABS, Adapt PT

Experience

San Martín Associates Miami, FL May – August, 2005

Structural Engineering Intern

- Performed wind load calculations
- Reinforced concrete design
- Post-tensioned concrete slab design
- Evaluated sidewalk & bus stop surveys for ADA compliance
- Responsible for coordination of final printing on multiple projects

Key Accomplishments:

- Calculation of the reinforcing on 7 floors (out of 12)
- Had complete autonomy on the ADA Sidewalk Compliance Project
- Delivered the final report to the County.

Lighting Lab (Penn State)

University Park, PA

June – August, 2004

Work Study

- Digital Addressable Lighting Interface (DALI)
 - Built fixtures, installed lights, connected lights to computer system
 - Documentation of work was published internationally
- Lutron Grafik Eye Liaison
 - Investigated and explained program functions to professor
 - Wrote introductory manual for graduate course

Key Accomplishments:

- Directly involved in most of the multi-colored fixtures installed in the DALI system during this period
- First person to use Lutron Software (responsible for writing an introductory manual for students using it in class the upcoming semester)

Habitat for Humanity of Greater Miami

June – August, 2000

Volunteer (construction)

- Accepted and coordinated deliveries
- Laid roof deck, paper, shingles
- Hung drywall and windows

Certifications

Have passed the Fundamentals of Engineering Exam (will obtain EIT upon graduation).

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