

Nathaniel J. Babyak

School:

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Home:

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OBJECTIVE To obtain a full time structural engineering position that will allow me to expand my knowledge of design and project management while working towards professional licensure

EDUCATION **Integrated Bachelor and Master of Architectural Engineering-Structural** *Graduation: May 2012*
Five Year Professional Degree-ABET Accredited *Cumulative GPA: 3.90/4.0*
The Pennsylvania State University-University Park *EIT status upon Graduation*

BIM Courses:

BIM Interdisciplinary Studio

IPD/BIM Thesis

MAE Courses:

Finite Element Analysis

Computer Modeling of Structures

Design of Masonry Structures

Enclosure Science & Design

Earthquake Resistant Design

Building Failures & Forensics

Relevant Courses:

Indeterminate Structures

Advanced Steel Design

Advanced Concrete Design

Design of Wood Structures

**RELATED
WORK
EXPERIENCE**

Structural Engineering Intern

May 2011-August 2011

Cagley and Associates

Rockville, MD

- Participated in all phases of structural design in a team oriented environment
- Modeled and analyzed various structures in RAM and EnerCalc
- Created Revit models of structures and collaborated with other design disciplines
- Checked and corrected shop drawings submitted by contractors

Architectural Intern

May 2010-August 2010

Sheetz, Store Development Department

Claysburg, PA

- Aided two registered architects and drafting staff in the design of new store prototypes, store remodels, and new stores
 - Collaborated with other Sheetz departments (Construction, Petroleum, and Marketing) to support the store design
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**OTHER
WORK
EXPERIENCE**

Tutor, Morgan Academic Support Center, University Park, PA

February 2009-Present

Laborer, Reserved Environmental Services, New Stanton, PA

Summer 2009

Summer Custodial Staff, Norwin School District

Summers 2007 & 2008

**HONORS
AND
AWARDS**

◦ Dean's List (1st through 8th Semester)

◦ Tau Beta Pi (National Engineering Honor Society)

◦ Phi Eta Sigma (National Honor Society for College Freshman)

◦ Phi Alpha Epsilon (Architectural Engineering Honor Society)

◦ Robert J. McNamara Endowed Scholarship in AE

2010-2011 School Year

◦ Cagley & Associates Scholarship

2011-2012 School Year

ACTIVITIES

◦ Student Society of Architectural Engineers

◦ Design Team Member, Earthquake Engineering Research Institute- Penn State Chapter

◦ Structural Engineers Association

◦ American Concrete Institute

◦ American Institute of Steel Construction

◦ Volunteer Assistant Baseball Coach, Irwin Legion Post 359

Summers 2008-2011

◦ Intramural Sports

**COMPUTER
SKILLS**

Microsoft Office

AutoCAD

Revit Structure

STAAD Pro

ETABS

RISA 2D

SAP2000

EnerCalc

RAM Suite

PCA Programs