

STEPHAN M. NORTHROP

College Address
1003 W Aaron Dr. 11F
State College, PA 16803

smn5025@psu.edu
(412) 220-0398 (home)
(412) 877-2292 (cell)

Permanent Address
2158 Clairmont Dr.
Pittsburgh, PA 15241

OBJECTIVE

- To obtain an entry-level structural engineering position with an A/E or consulting firm with the goal of becoming a licensed engineer.

EDUCATION

- B.A.E. in Architectural Engineering – Structural Option *May 2011*
Five Year Professional Degree – ABET Accredited
Penn State University
Cumulative GPA: 3.29
EIT Status Upon Graduation
- Relevant Courses Include:
 - Advanced design of steel
 - Advanced design of concrete
 - Indeterminate structures
 - Masonry design

WORK EXPERIENCE

- **Michael Baker Corporation** *Summer '10*
Structural Intern: Moon Township, PA
 - Modeled steel frame buildings in RAM for project proposals
 - Performed wind and seismic calculations using ENERCALC
 - Created multiple spreadsheets including one used to check the usability of a two way concrete floor system
 - Sized web penetrations for the accommodation of mechanical ductwork
 - Checked masonry lintel designs for flexure
 - Reviewed and corrected drawings submitted by contractors
- **Shop 'n Save** *Summer '09*
Associate: Bridgeville, PA
- **PennDOT**
Inspection Intern: Elizabeth, PA *May-June '08*
 - Assisted in the inspection of a bridge replacement project
- **Finals Unit Intern: Bridgeville, PA** *July-August '08*
 - Worked in the Finals Unit auditing final project records
- **The Home Depot** *2006-2007*
Associate: Bridgeville, PA

ACTIVITIES AND ORGANIZATIONS

- Penn State Engineering House residence hall living option *2006-2008*
- Penn Environment (an environmental advocacy group for the tri state area) *2007-present*
- Structural Engineers Association (SEA) *2010-present*
- Intramural Sports: Pittsburgh Ultimate Frisbee Summer League, Softball, Soccer, Flag Football at Penn State *2006-present*

COMPUTER SKILLS

Revit	AutoCAD	Microsoft Office
RAM	STAAD	ENERCALC

HONORS AND AWARDS

- Member of a design team in high school whose project was selected as a national finalist in the National Engineering Design Challenge (NEDC) *2005-2006*