

Allison T. Madden

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OBJECTIVE To obtain a civil engineering position at an engineering firm utilizing my communication, technical, and problem solving skills.

EDUCATION **University of Notre Dame** Notre Dame, IN
Currently Pursuing: Bachelor of Science May 2012
Major: Civil Engineering Major GPA: 3.6/4.0
Concentration: Structural Engineering GPA: 3.4/4.0
Dean's List, Spring 2011

EXPERIENCE **Southern California Edison** San Dimas, CA
Civil Engineering Aide Summer 2011

- Modeled the predicted performance of concrete dams using Abaqus to aid coworkers in gaining a clearer understanding of how the cohesive property function of the program worked
- Designed foundations of transformers on AutoCAD and performed all necessary engineering calculations, primarily for earthquake loading, to ensure that design adhered to code

Biometrics Lab Notre Dame, IN
Undergraduate Research Assistant January 2009- Present
Computer Science and Engineering Department

- Collect biometric data from volunteers using still camera, video cameras, and iris capture technology
- Organize collected data for a research study to develop facial and iris recognition software

Boys And Girls Club of Newark Newark, NJ
Intern Summer 2010

- Supervised groups of children ranging from ages 6-13 at a summer enrichment program in inner-city Newark as a service project through Notre Dame
- Taught nonviolent conflict resolution skills to children growing up in at-risk neighborhoods

LEADERSHIP **Big Beam Competition** 2011-Present
Lead Designer and Graphics Manager

- Leading group in all CAD design work for fabrication of beam and drawings for final report

American Society of Civil Engineers 2009-Present
Concrete Canoe Team Member

- Mixed concrete and cast it onto canoe form for the ASCE regional conference competition

ACTIVITIES Member, Society of Women Engineers 2008-Present
Volunteer, Appalachia Region Service Project Fall 2009
Volunteer, New Orleans Service Project Spring 2011
Installed drywall and insulated pipes to renovate houses in poverty stricken areas

SKILLS *Computer: Abaqus, AutoCAD, MATLAB, Microsoft Word, Excel, PowerPoint*