

**Hiro McNulty**  
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**Permanent Address**

1003 Elm Avenue  
Hollidaysburg, PA 16648  
(814) - 696 - 6201

**School Address**

532 E. College Ave., Apt. 1D  
State College, PA 16801  
(814) - 880 - 4185

**EDUCATION**

**Master's and Bachelor's degree of Architectural Engineering**

The Pennsylvania State University  
Architectural Engineering – Structural Option  
ABET Accredited Professional Degree  
Integrated MAE/BAE Degree  
University Park, PA 16802  
Graduation – May 2006  
Current GPA – 3.49  
Fundamentals of Engineering Exam – Fall 2004

**WORK EXPERIENCE – SUMMER INTERNSHIPS**

**L. Robert Kimball & Associates, Ebensburg, PA**

2005

Reviewed shop drawings for multiple projects. Performed structural loading calculations and designed members accordingly. Drafted plans and details in CAD. Set up and plotted structural drawings for project submissions. Created spreadsheets in Microsoft Excel which aid in structural engineering calculations.

**Pennsylvania Dept. of Transportation, District 9.0, Hollidaysburg, PA**

2001, 2002, 2003

Inspected, reviewed, evaluated and entered data in database pertaining to roadway drainage systems, roadway shoulders stability, and guide-rail functionality. Inspected, reviewed, and reported rock slope stability by reviewing slope failures and potential hazards. Created reports detailing hazard areas that required further analysis and need for repair. Determine potential slope failure using computer software.

**RELATED SKILLS**

**Structural Design**

- Steel Design
- Concrete Design
- Pre-stressed Concrete (Spring 2006)
- Masonry (Spring 2006)
- Seismic Design
- Wood Design
- Advanced Steel Connection Design
- Determinate and Indeterminate Structural Analysis

**Other Architectural Engineering**

- Construction Management
- Scheduling, Cost Analysis, Feasibility
- Lighting/Electrical Design
- HVAC Design

**Computer Experience**

- AutoDesk AutoCAD R14-2006
- STAAD
- RAM Structural Systems
- Microsoft Word, Excel, Power Point, Visual Studio .NET 2003

**HONORS**

- "PACE" – Early-to-College Program at Penn State Altoona.
- Renaissance Scholarship
- Mary Charlesworth Scholarship
- Barnes and Noble Presidential Scholarship
- Penn State Altoona Scholarship
- Penn State Altoona Honors Society – Alpha Lambda Delta
- Integrated Bachelor's and Master's of Architectural Engineering Program

**EXTRACURRICULAR ACTIVITIES**

- Golf, Tennis, Skiing, Iaido, Skateboarding, Guitar, Reading