

# Keith D. McMullen

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## EDUCATION:

**The Pennsylvania State University** – University Park, PA

*Bachelor of Architectural Engineering*

Concentration: Lighting/Electrical

Cumulative GPA: 3.01      4<sup>th</sup> Year GPA: 3.46

Expected Graduation: Spring 2013

Accumulated Credits: 129.5, enrolled for 16 credits Fall 2012

## EXPERIENCE:

**Bard, Rao + Athanas Consulting Engineers** (Summer 2012) – *Electrical Design Intern*

- Learned a great understanding of electrical distribution design for laboratory/healthcare facilities
- Worked in Revit MEP for BIM coordination of large scale electrical systems
- Took on a great deal of responsibility in the development of construction documents

**Office of Physical Plant - Pennsylvania State University** (2011 - 2012) – *Energy Engineering Intern*

- Performed energy savings calculations with retrofitting campus lighting systems
- Researched many luminaires, lamps, & controls for campus application
- Performed lighting calculations to verify acceptable light levels for project spaces
- Gained valuable project development experience

**Delgrosso Foods** (2009 – 2011) - *Employee*

- Involved in all phases of production
- Safely operated numerous machines involved in production
- Performed tasks in accordance with proper food processing regulations

*\*Also many experiences with electrical jobs with Father (licensed Electrician in Altoona, PA)*

## RELEVANT COURSEWORK:

ARCH 130A – Basic Design and Research

AE 221 – Architectural Building Materials

AE 222 – Working Drawings

EE 211 – Electrical Circuits and Power Distribution

AE 311 – Fund. Of Elec. and Illum. Systems for Bldgs

AE 444 – Micro CADD Applications for Bldgs

AE 461 – Arch. Illum. Systems and Design

AE 464 – Adv. Arch. Illum. Systems and Design

AE 466 – Computer Aided Lighting Design

AE 467 – Adv. Bldg Electrical System Design

AE 497E – Bldg Electrical and Comm. Systems

AE 497F – Load/Energy Simulation

AE 565 – Daylighting

ARCH 442 – Interdisciplinary Collaborative BIM Studio

*\*Enrolled in 2012 - 2013 IPD/BIM Thesis Interdisciplinary Pilot Program*

*\*Engineer-In-Training (EIT) status upon graduation in 2013*

## TECHNICAL SKILLS:

- Adobe Photoshop
- AGi32
- AutoCAD
- Autodesk 3dsMax
- Daysim
- Revit Architecture/Structure/MEP
- Microsoft Word/Excel/PowerPoint
- Visual 2.6 Professional Edition

## ACTIVITIES / AWARDS:

**Francis Wisniewski Physics Scholarship**

**IES (Illuminating Engineering Society), Member**

**SSAE (Student Society of Architectural Engineers), Member**

REFERENCES: Available Upon Request