

# | rachel marie barrow |

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## | objective |

To obtain a full-time position as an entry-level lighting designer with a firm that will enable me to grow as a professional and will allow me to contribute to the lighting design industry.

## | education |

### **The Pennsylvania State University | University Park, PA**

Bachelor of Architectural Engineering | Lighting-Electrical Option  
Architectural Studies Minor  
International Studies Minor  
French Minor  
Anticipated Graduation | Spring 2013  
Overall GPA | 3.33/4.00  
Engineer-in-training status upon graduation

### **Penn State Study Abroad | Sede di Roma | Summer 2011 | Rome, Italy**

Studied ancient and medieval architecture, Cartography, Daylighting, and urban development

## | experience |

### **Atelier Ten | Summer 2012 | New Haven, CT**

Created lighting plans using AutoCAD  
Created lighting sketches  
Performed lighting calculations and lighting power densities using AGI32  
Assembled DD and CD packages  
Attended manufacturer meetings  
Attended client meetings with architects

### **NAVAIR | Summer 2010 | Cherry Point Marine Corps Air Station | Havelock, NC**

Assisted the fleet by aiding the structures engineers for KC-130J airplanes  
Reviewed the repair manual for the KC-130J for discrepancies  
Assembled a master list of old KC-130Js to be sold  
Toured different departments to learn more about the functions of the base

## | technical |

AGI32 | Revit | 2D/3D AutoCAD | 3D Studio Max | Adobe Photoshop | Microsoft Office

## | activities |

Illuminating Engineering Society | Fall 2011 - Present  
Penn State Fall Athletic Band | Fall 2010 - Present  
Pride of the Lions Pep Band | Fall 2010 - Present  
Engineering House | Fall 2009 - Present  
Penn State Dance Marathon | OPPerations Committee | 2009, 2010, 2012