

Architectural Lighting Design Student capable of pushing the creative limits and collaborating effectively with a multi-disciplinary architectural design team to achieve aesthetic and engineering excellence

Qualifications Summary

DEMONSTRATED SKILL at creating a positive social environment, and resolving conflict between others as a Resident Assistant

PROVEN ABILITY to take initiative and coordinate project completion within a group of multidisciplinary architectural engineers

SUPERB APTITUDE for written and oral communication -- received positive evaluations from 21 out of 22 classmates in addition to the professor for an oral presentation summarizing a wall-washing study

Education

The Pennsylvania State University, University Park PA 16802
Architectural Engineering, Lighting/Electrical Option
B.A.E. expected May 2014; cumulative GPA: 3.16

Computer Applications

COMcheck	Visual	Prezi
Revit 2013	AGi-32	Adobe InDesign
AutoCAD 2013	DAYSIM	Adobe Illustrator
3D Studio Max 2013	ElumTools	Adobe Photoshop

Relevant Coursework

AE 464 Advanced Architectural Illumination and System Design
AE 466 Computer Aided Lighting Design
AE 467 Advanced Building Electrical System Design
AE 565 Daylighting Design and Analysis
AE 597E..... Color Science for Illuminating Engineering

Professional Experience

Electrical Engineering Intern - Loring Engineers May 2013 - August 2013
DESIGNED lighting and electrical systems that complied with SCA and LEED standards for multi-purpose buildings using Visual, AutoCAD, and Revit
VERIFIED compliance of electrical, mechanical, and plumbing designs to ASHRAE 90.1 2007, and 2010 standards using COMcheck

Lighting Design Consultant - Independent April 2013 - Present
DETERMINED appropriate design criteria for wall-washing and wall-grazing fixtures
ANALYZED luminaires using AGi-32, based on useful illuminance per watt, uniformity gradient, coefficient of variation, and other metrics

Resident Assistant - The Pennsylvania State University August 2012 - Present
RESPONSIBLE for overseeing a 59 person college residence hall floor, ensuring that policies are followed, students' needs are met, and issues between students are resolved fairly and amicably
TRAINED in counseling, leadership, and problem solving skills
ENTRUSTED to make critical decisions in emergency situations
CONDUCTED interviews with R.A. applicants

Engineering Intern - XL Insurance June 2010 - August 2010
UTILIZED modeling software to assess risk due to natural disasters
CREATED highly detailed presentations on large losses by quarter