

# KEVIN J. RICART

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## EDUCATION

**Pennsylvania State University**, University Park, PA  
Bachelor/Master of Architectural Engineering  
Mechanical Option  
Class of 2015  
GPA: 3.45

**University of Hong Kong**, Hong Kong, Hong Kong  
Department of Real Estate and Construction  
Summer 2012

- Spent 8 weeks in China studying Architectural Engineering. Lived in Shanghai, Beijing, and Hong Kong, and also visited Shenzhen and Guangzhou. Toured numerous job sites, and took courses at Tongji University, Tsinghua University, and the University of Hong Kong

## PROFESSIONAL EXPERIENCE

**CJL Engineering**, Pittsburgh, PA  
Mechanical Intern  
Summer 2013

- Created an Energy Model and ASHRAE 90.1 Baseline Energy Model for an 80,000 square foot Elementary School, and calculated a 45% reduction in HVAC cost and 42% reduction in Lighting Power Density when compared to the baseline case
- Managed and documented the LEED for Existing Buildings Certification of a 1,000,000+ square foot corporate headquarters
- Wrote a detailed report for a national Bank's Executives analyzing the potential use of Phase Change Materials in the bank's 250 branches
- Performed diagnostic load calcs for an underperforming restaurant HVAC system, and calculated cooling and heating loads that were nearly double the original calculations and were larger than the actual system capacity. CJL proposed adding an additional makeup air unit, radiant heating for exterior walls, and increasing the hot water temperature to 160° F based on these new calculations
- Researched requirements for air changes, pressurization, temperature, humidity, air velocity, filtration, and redundancy for an Animal Testing Laboratory and a room containing radioactive materials

## COCURRICULAR EXPERIENCE

**ASHRAE (PSU Branch)**  
President  
2012-Present

**Mechanical Contractors Association of America Student Design Competition**  
Mechanical & BIM Coordinator  
2013-Present

**Student Society of Architectural Engineers**  
Student Mentor  
2011-Present

**Penn State College Independents**  
Secretary, Founding Officer  
2010-Present

**Penn State Dance Marathon (THON)**  
Lieutenant Captain  
2011-Present

## COMPUTER PROGRAMS

Revit, AutoCAD, Trane Trace, Carrier HAP, MATLAB, Visual Basic Programming, C++ Programing, Microsoft Office, Photoshop, Illustrator