

Home Address:  
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# DAVID J. MELFI

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School Address:  
131 Sowers St. Apt F10  
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## OBJECTIVE

Seeking a full time position on a high-performing team that will utilize and further develop my skills while actively contributing to better mechanical system design

## EDUCATION

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

- Concurrent Bachelor and Master of Architectural Engineering  
*Mechanical Systems Design Option*
- Architectural Studies Minor
- Engineering Leadership Development Minor

Graduate GPA: 3.87

Undergraduate GPA: 3.37

Graduation: May 2006

## EXPERIENCE

### **Student Research Assistant – Fall 2005**

- Researching and analyzing case studies for new cogeneration simulation software
- Developing design projects for graduate course

### **Advanced Technologies, Inc. – Summer 2005**

- Designed mechanical system of a grocery store in Illinois
- Gained experience in the design of mechanical systems for buildings with diverse climates and functions
- Collaborated with senior design engineers to complete electrical and plumbing design for small building projects
- Observed and evaluated existing mechanical designs during site visits and chiller tours
- Served as an active member of a high energy design team to meet summer goals and deadlines

### **Universita “La Sapienza” di Roma, Rome, Italy – Summer 2004**

- Attended Sede Di Roma Architectural Program 2004
- Expanded understanding and appreciation of Roman architecture and the Italian lifestyle through total cultural immersion

## RELATED COURSES

Advanced HVAC Design/Analysis  
Central Cooling Systems  
Central Heating Systems  
Combined Heat and Power Systems  
Building Solar Energy Design

Advanced Electrical Systems Design  
Building Control Systems  
System Simulation and Optimization  
Advanced Architectural Acoustics  
Leadership in Organizations

## COMPUTER SKILLS

AutoCAD  
Trane’s TRACE  
Trane’s Acoustics Program (TAP)

Microsoft Office  
Carrier’s HAP  
EES

## HONORS/INTERESTS/ACTIVITIES

Passed FE exam; EIT certified upon graduation  
Design displayed in Palazzo Doria Pamphili Gallery in Rome  
Dean’s List Recipient for last 5 consecutive semesters  
AT&T Leadership Conference Participant  
Student Member of ASHRAE; attending winter meeting  
Captain of intramural softball and flag football team