

Zachary J. Heilman

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Objective: Obtain full-time employment in the building mechanical field upon graduation.

Education: The Pennsylvania State University
Master and Bachelor in Architectural Engineering
Expected graduation date: 5/2011
Cumulative GPA: 3.43
FE/ EIT: Passed

Work Experience:

- **Aramark Technical Services** -*Intern CPM, ENERGY, & COMM* 5/2010-8/2010
managed physical therapy lab renovations at Neumann University
performed ASHRAE Audit Level II at Widener University
monitored DDC system for Pennsbury School District
commissioned Upper Dublin High School
- **Jacobs Engineering Group** -*Intern Building Mechanical* 5/2009-8/2009
managed engineering calculations in Trane Trace
developed hvac plans: pressurization, hydronic systems
operated in Autocad, Excel, Microstation, Revit
- **Bridges & Buildings SEPTA** -*Intern Architect* 5/2008-8/2008
Southeastern Pennsylvania Transportation Authority
design projects: end of platform gates, drainage One Penn Center
project manager: Drexel Hill, School Lane roof design
- **Robert D. Lynn Associates RDLA** -*Intern Building Electrical* 5/2007-8/2007
updated red mark electrical drawings in AutoCad 2006
responsible for 2/3 of electrical department's drawings
participated with synergetic coworkers in the electrical dept

Additional Experience:

- Architectural Engineering Department 8/2009-*present*
assisted with lab testing for filtration of animal allergens
setup of instrumentation and controls for green roof simulation
fabricated building control test-bed as research project
- Audio\Visual Technician 9/2004-6/2007
Calvary Chapel of Philadelphia
worked as an audiovisual technician
designed, built, and operated sound equipment

Relevant Courses:

- AE 558 Central Heat Plant
- AE 557 Central Cooling Plant
- AE 555 Indoor Air Quality
- AE 552 Hvac Control System
- AE 497 Bldg Energy Load Calc
- AE 467 Bldg Electrical System
- AE 458 Arch Acoustics
- AE 404 Bldg Structural Sys
- ME 410 Heat Transfer
- ME 320 Fluid Dynamics

Attitude/ Traits:

- Detail Oriented
- Motivated
- Hardworking
- Quick Learner
- Flexible/ Adaptable

Skill Set:

- Adobe Professional
- AutoCAD
- Microsoft Suite
- Revit