

Michael P. Gilroy

LEED Green Associate

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OBJECTIVE

To obtain a full time position concentrating in HVAC design with a firm that values coordinated design, sustainability, and promotes further use of the Integrated Project Delivery and Building Information Modeling knowledge previously gained in collegiate coursework

EDUCATION

THE PENNSYLVANIA STATE UNIVERSITY, *College of Engineering, Architectural Engineering, Graduation: May 2011*

Integrated Bachelor and Master of Architectural Engineering (B.A.E./M.A.E)- 5 year ABET Accredited Program

Architectural Studies Minor -- Penn State AE's Sede di Roma: Rome, Italy (May-June 2009)

GPA: 3.81/4.00, EIT upon graduation

Technical Experience: BIM/IPD Design Studio, BIM/IPD Senior Thesis

Revit MEP, AutoCAD, Trane TRACE, Navisworks Manage, Prolog, Primavera, Eikon LogicBuilder

WORK EXPERIENCE

Bard, Rao + Athanas Consulting Engineers, LLC, Watertown, MA

HVAC Design Intern, Summer 2010

- Coordinated HVAC ductwork and piping on projects such as Ohio State University's 1 million square foot Cancer and Clinical Care Center (LEED Silver), Thomas Jefferson University's 450,000 square foot New Ambulatory and Orthopedic Hospital using Revit MEP, and East Carolina University's 190,000 square foot New Dental School using AutoCAD
- Examined existing conditions at 712 Beacon Street (Boston University) and created demo/new construction plans
- Evaluated ventilation rates of University of Massachusetts Medical School's new 500,000 square foot Albert Sherman Center
- Researched and proposed preliminary design of a radiant floor heating system for the lobby of UMass's Albert Sherman Center

James G. Davis Construction Corporation, Rockville, MD

Project Management/ Field Supervision Intern: Potomac Yard Land Bay E, Summer 2009

- \$75 million project in Arlington, VA that included two office buildings, an underground parking and a park area
- Assisted in LEED Credit tracking. The project anticipated achieving LEED Gold Certification
- Completed punchlist inspections, assisted HVAC final installation and commissioning, and surveying of steel space-frame structure

Project Management Intern: 2021 L Street, NW, Summer 2008

- \$11 million downtown Washington, DC office building renovation/addition
- Reviewed and coordinated submittal packages, shop drawings, RFIs, and assisted in updating project schedules and meeting minutes

Office of Physical Plant- Penn State University

Environmental System Controls Intern, Spring 2009

- EUMS Project – Updated 50 campus buildings' HVAC Systems control logic and schedules to conserve energy

LEADERSHIP EXPERIENCES

President, Mechanical Contractors Association of America (MCAA) Penn State Student Chapter, Fall 2010-Spring 2011

Coordinated trip to Student Summit in Chicago, IL (2010), National Convention in Maui, HI (2011)

Attended Student Summit in Denver, CO (2009)

Participated in semester-long design project (Fall 2009 & 2010)

Teaching Assistant, Architectural Engineering Freshmen Seminar, Fall 2010-Spring 2011

Assisted with grading, class preparation, and mentoring students early in the AE curriculum

Treasurer, Student Partnership for Achieving Construction Excellence (S:PACE) Fall 2009-Spring 2010

ACTIVITIES AND AWARDS

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| • Tau Beta Pi Engineering National Honor Society Member | Fall 2008-Present |
| • Phi Alpha Epsilon- National Architectural Engineering Honor Society | Spring 2010-Present |
| • Penn State-ASHRAE Student Branch Member | Fall 2009-Present |
| • Architectural Engineering Institute – Penn State Chapter (SSAE) Member | Fall 2007-Present |
| • Michael J. and Virginia A. Youchak Scholarship | Spring 2009 |
| • Melvin H. Peters Endowed Scholarship | Spring 2010 |
| • Penn State Boxing Team & Tennis Club Member | Fall 2008-Fall 2009 |
| • Intramural Basketball, Flag Football, and Tennis Tournament Participant | Fall 2006- Present |