Justin P. Mulhollan

Permanent Address
104 Walton Lane
Coatesville, PA 19320
610-857-1455

jpm302@psu.edu
http://www.arche.psu.edu/thesis/eportfolio/current/portfolios/jpm302/

Current Address
901 S. Allen Street, Apt C-1
State College, PA 16801
484-459-7166

Objective: To secure a permanent position in the field of HVAC & Mechanical systems design with a firm that will utilize and challenge my skills learned in the Architectural Engineering program.

Education:

The Pennsylvania State University
University Park, PA
5 Year Professional Degree – ABET Accredited
Integrated Bachelors & Masters of Architectural Engineering Degree
Mechanical Systems Emphasis
Passed Fundamentals of Engineering Exam
GPA: 3.38 / 4.00
Graduation Date: Spring 2006
Related Course Experience:

- Thermodynamics, Fluid Mechanics & Heat Transfer
- Intro to Building Environmental Systems
- HVAC Fundamentals & Advanced HVAC Design
- Combined Heat & Power Systems (Cogeneration)
- Cogeneration Software & Case Studies (Independent Study)
- Central Cooling Systems
- Building Thermal Systems Optimization & Simulation
- Building Solar Energy Design

Activities & Awards:

- Member of Student ASHRAE – Penn State Chapter
- Intramural Softball & Flag Football
- Dean's List: Spring 2004 – Spring 2005

Experience:

Bard, Rao + Athanas Consulting Engineers, LLC.   (Summer 2005)
Watertown, MA
HVAC Department Intern
Responsibilities:
- Load Calculations (HAP & Hand Calculations)
- Duct Design (Laboratories, Research Facilities & Offices)
- GPM Calculations & Pipe Sizing
- Schedules, Piping Plans, Riser Diagrams, Details & Part Plans

GRG, Inc.   (Summer 2004)
Maitland, FL
Mechanical Intern – Entertainment Division
Responsibilities:
- Load Calculations & Duct Design
- Special Effects Design (Themed Ride)
- HVAC Systems Estimating
- Air & Water Balance Diagrams, As Built Drawings & Control Diagrams
- Corporate Engineering Design Guide Creation

Tri-State Technical Sales, Inc.   (1999-2003)
Malvern, PA
Assembly Technician (1999)
Shipping / Receiving (2000-2003)

Computer Skills:

- AutoCAD (Rel. 13-2005)
- Microsoft Office
- Website Design, HTML
- Adobe Photoshop
- Exposure to PIPE-FLO
- Manufacturer's Selection Programs
- Hourly Analysis Program 4.20 (Carrier)