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Jason M. Sambolt

OBJECTIVE: Seeking an entry level engineering position in building mechanical systems design to gain professional experience and knowledge while working towards registration in the engineering profession.

EDUCATION:

The Pennsylvania State University

University Park, PA

- Cumulative GPA: 3.84
- Bachelor of Architectural Engineering - Mechanical Option
- Expected Graduation: May 2008 (ABET Accredited 5-year professional degree)
- Senior thesis portfolio: <http://www.engr.psu.edu/ae/thesis/portfolios/2008/jms917>
- EIT upon graduation – Passed Fundamentals of Engineering exam in April 2007

WORK EXPERIENCE:

CJL Engineering

Moon Township, PA

Intern Engineer

05/2007 – Present

- Played an integral part in the research and development of innovative “green” mechanical systems.
- Placed in charge of completing all LEED credit documentation and submittal for multiple jobs.
- Utilized computational fluid dynamics (CFD) skills to accurately model rooms with special conditions and used the results to pick the best design possible.
- Calculated building load conditions and energy usage using TRACE.

Dr. Jelena Srebric

State College, PA

CFD Analysis Consulting and Undergraduate Researcher

08/2006 – Present

- Created CFD models to assist Dr. Jelena Srebric with various consulting jobs as well as conducted research on the affect of a LEED rated building on the indoor air quality of the space.

The Pennsylvania State University

State College, PA

Consultant for the Solar Decathlon House Project

05/2006 – 03/2007

- Created models of the PSU Solar Decathlon house in CFD to determine the natural ventilation the building will experience, and as a result of my findings, changes were made to the solar house that will be built for the national competition.

National Science Foundation

State College, PA

Undergraduate Fellowship Researcher

05/2006 - 08/2006

- Compared building structures with known pressure loads resulting from wind forces to CFD models that recreated the building geometry and boundary conditions.
- Demonstrated the value of computational fluid dynamics for the purpose of determining structural wind loads, and coauthored a paper based on my research which is currently awaiting publication.

McKamish, Inc. Mechanical Contractor

Pittsburgh, PA

Assistant Project Manager

05/2005 - 08/2005

- Worked with multiple project managers on various jobs in the office and on the job site to assist them with their work.
- Learned invaluable lessons regarding the operation of the industry and the process that is followed to be successful.
- Performed take-offs for numerous items that needed to be ordered from the vender then properly documented the order.
- Communicated with the drafting department to discuss/discover problems and derive a possible solution.

COMPUTER/DRAFTING SKILLS:

- TRACE
- HAP
- AutoCAD 2005-07
- ComCheck
- Fluent Airpak 2.1
- Pheonics 3.6.1

HONORS:

- Tau Beta Pi Engineering National Honor Society
- Phi Eta Sigma Freshman National Honor Society
- Outstanding Performance in HVAC in the 4th Year
AE Class Scholarship 2007
- Professor Jack Everetts Memorial Scholarship 2006
- Elmer/Fran Strauss Engineering Scholarship 2004
- Dean’s List for all eight completed semesters

References Available Upon Request