

David Siegel

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EDUCATION

Masters of Science in Mechanical Engineering

Expected June 2009

- University of Cincinnati, Cincinnati, OH

Bachelor of Science in Mechanical Engineering

Completed June 2007

- University of Cincinnati, Cincinnati, OH
- GPA: 3.93/ 4.00

PROFESSIONAL EXPERIENCE

Duke Energy Corporation, Cincinnati, OH

April 2006 – Sept. 2006

Cinergy Corporation, Cincinnati, OH

April 2005 – Sept. 2005

Engineering Co-op

- Completed quarterly and monthly environmental reports for the Combustion Turbine Fleet (CT Fleet) plants
- Developed custom excel macros and spreadsheets to streamline data manipulation and air emission calculations
- Utilized emission software to analyze start up and shutdown emission events
- Involved in successful Relative Accuracy Testing Audits (RATA) of the combustion turbine units in the CT Fleet
- Developed custom excel macros and spreadsheets to propagate the statistical parameters for the RATA testing
- Helped in the trouble shooting of the continuous emission monitoring system's NOx and CO analyzers
- Participated in several environmental audits for the CT Fleet plants
- Contributed to environmental audit tracking by developing spreadsheets that specified and summarized results from each audit
- Analyzed internal environmental audit reports and determined corrective actions for the plant
- Revised and updated spill prevention control and countermeasure plans (SPCC) for all the plants in the CT Fleet
- Completed Continuous Emission Monitoring System Linearity Reports for the various CT Fleet Plants
- Revised and updated Continuous Emission Monitoring System Quality Assurance/ Quality Control Manuals for the CT Fleet Plants
- Participated in performance testing of Unit 3 at the Woodsdale Generating Station

OTHER EXPERIENCE

Paramount Kings Island, Cincinnati, OH

June 2001-August 2003

Ride operator for The Beast, Shake Rattle and Roll, and the Flying Eagles

- Contributed to the safe operation of the Beast by proper operation of the Beast Control Panel
- Utilized Beast Side Track Control Panel to add and subtract trains from the track
- Ensured safety of guest by proper checking of lap bar and seat belt restraints
- Operated Flying Eagles and Shake Rattle and Roll Control Panel

AWARDS

- University Of Cincinnati:** First Place in Regional ASME Senior Design Competition, Cincinnati Scholarship, Charles Schreiber Scholarship, Clair Hulley Scholarship, Thomas Kirby Scholarship

ACTIVITIES

- Assistant Basketball Coach for a 5th grade recreational team
- Volunteer at Cedar Village Retirement Community
- Volunteer Math Tutor at Raymond Walters
- Tau Beta Pi Engineering Honor Society

Computer Skills

- MATLAB, Visual Basic, Gambit, Fluent, AutoCAD, Solid Edge, ANSYS