

Shannon James

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EDUCATION

Masters of Science in Mechanical Engineering

Gannon University, Erie, PA

GPA: 3.7

May 2003

This format is good for technical graduate students.

Bachelor of Science in Mechanical Engineering

University of Pittsburgh, Pittsburgh, PA

GPA: 3.5

May 2001

RELEVANT COURSES

Engineering Analysis II

Engine Combustion and Emission Controls

Advanced Thermal System Design

Advanced Strength of Materials

Linear System Theory

Finite Element Analysis

COMPUTER SKILLS

Drafting Software: Pro-E 2000i, Pro-Mechanica, AutoCAD 2002, AutoCAD 2000, and AutoCAD 14**Languages:** C, C++, Java, MATLAB 6.1, and PASCAL**Operating Systems:** Windows NT, Windows ME, Windows 2000, 98, and 95

ENGINEERING EXPERIENCE

Nova Chemicals

Pittsburgh, PA

Mechanical Intern

Summer 2001

- Observed daily operations of a chemical plant that manufactures a variety of polystyrene resins for making products including foam packing, cups, and insulation.
- Assisted the mechanical engineers in maintaining equipment.
- Met with vendors to discuss and view new and current equipment for chemical plants.

EDUCATIONAL PROJECTS

Magneto-Hydrodynamic Technologies for Materials Processing

Fall 2002

Role and Team Size: Member... 4 group members

- Studied the flow behavior in emerging industrial applications.

Assembly Line Development

Spring 2002

Role and Team Size: Team Leader... 5 group members

- Assisted in designing multi-station assembly line for a chemical supplier. Used robot machine based design and detailed components of sub-assembly.

PAPER PRESENTATIONS

Presented "Industrial Equipment" at Technical Bowl IV, Boston, MA

Fall 2002

WORK EXPERIENCE

Gannon University

Erie, PA

Lab Assistant, Electrical and Computer Lab

February 2002-Present

- Connect network of computers, load operating systems, and download software and hardware components.

Tech Solutions

Erie, PA

Teaching Assistant, Digital Lab

May-December 2002

- Assisted students in learning basic programming in MATLAB.

REFERENCES

Available upon request.