

David Railsback

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OBJECTIVE

To acquire an entry-level position which utilizes past educational and work experiences while providing hands-on training in pharmaceutical/chemical technologies and offers growth development and advancement opportunities.

EDUCATION

Bachelor of Arts (BA) Degree Graduation 12/2009
New Jersey Institute of Technology—Newark, NJ

- Major: Chemical Engineering –GPA: 3.31/4.0
- Cumulative GPA: 3.19/4.0
- National Dean's List (09/2008-Present)

Relevant Courses

- New Jersey Institute of Technology—Newark, NJ
- Thermodynamics , Chemical Process Calculations, Organic Chemistry
 - General Chemistry, Differential Equations, Fluid Flow, Physical Chemistry
 - Tech Process Stimulations, Heat and Mass Transfer, Chemical Engineering Lab
 - Separation Processes

ACADEMIC PROJECTS

Continuing Heat Transfer Graduation expected-
12/2009
New Jersey Institute of Technology—Newark, NJ

- Observed outlet steam and outlet coolant temperatures versus coolant flow rates.
- Acquired understanding of how to operate a shell and tube heat exchanger and a flat plate heat exchanger/condenser.
- Prepared report and presentation on the effects of temperature and flow rates in each of the specific heat exchanges/condensers.

Flow in Pipes Graduation expected-
12/2009
New Jersey Institute of Technology—Newark, NJ

- Observed and recorded pressure drops using venture and orifice meters.
- Effectively used the *Cimplicity* data-logging program to gather and centralize information for final report.
- Extensively utilized Microsoft Word and Excel for data entry purposes and creating letters.
- Collected data on pressure differences vs. flow rates for various pumps including a centrifugal pump.

SKILLS

- **Proficient in AutoCad, Adobe Photoshop, Polymath and ChemCAD** software packages.
- **Experienced with Microsoft Windows, Office, Excel, Word, PowerPoint**, and other software.
- **Laboratory Knowledge** of Curve fitting, Data Modeling and Analysis, Distillation, Extraction, pH analysis, pH meters and analytical balances, Liquid Chromatography, Spectrophotometry, Mass Spectrometry, and Titration techniques.
- **Fluent in writing, reading, and speaking English and Gujarati.**
- **Conversational in Spanish and Hindi** languages.
- **Past-times include** helping people and community service.
- **Possess strong organizational, analytical, and communication skills.** Effective decision making.

WORK EXPERIENCE

Assistant Manager 06/2003-
Subway—Hopatcong, NJ 12/2007

- Utilizes excellent cash handling techniques.
- Provides outstanding customer service.
- Inventory management, accounts payable, accounts receivables, employee payroll.
- Created work schedules, supervised employees, and resolved customer issues.

Assistant Manager 09/2004-
Greenhill Dry Cleaners—Parsippany, NJ 12/2006

- Accountability to rules and regulations within organization.
- Good conflict management techniques with ability to handle pressure under hostile conditions.
- Handled all financial aspects of the business, including accounts management and employee payroll.
- Created work schedules, supervised employees, and resolved customer complaints.
- Developed and maintained customer relationships with many hotels, including making phone calls and scheduling meetings with potential clientele.

ACTIVITIES/LEADERSHIP

- Active member of the American Institute of Chemical Engineers (Fall 2006-Present).
- New Jersey Institute of Technology Club Cricket Team (2007-Present).
- Samanvay Premiere League: Captain of Cricket Team (2008-Present).
- Omega Chi Epsilon, Chemical Engineering Honor Society (Fall 2009).

Community Service Volunteer 2003-
Yogi Divine Society—Parsippany, NJ 2007

- Participated in International Cultural Campus every summer by organizing seminars, performing dances and dramas, and managing recreational/sporting competitions.
- Excellent fundraiser for various international causes such as India Earthquake Relief and Tsunami Flood Aid.
- Supervised weekly religious meetings for children up to age 15.
- Committed 10 + Hours of Volunteer Service/Work to properly help maintain this non-profit organization.

REFERENCES

- Available upon request.