

JACOB AARON COLLINS

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OBJECTIVE

Chemical Engineering Co-op or internship

EDUCATION

- 5/1998- University of Houston, Houston, TX
Present Expected Graduation: Fall 2001
Pursuing Bachelor of Science in Chemical Engineering (41+ hours, **GPA 3.41**)
- 8/1995- Alvin Community College, Alvin, TX
5-1998 Associate in Arts Degree in General Liberal Arts (70 hours, **GPA 3.90**)

HONORS/ACTIVITIES

Co-Treasurer of the American Institute of Chemical Engineers (AIChE), Houston Chapter. Accounting, purchasing necessities, informing underclassmen about the organization, and helped to organize the AIChE Southwest Regional Conference of 2000.

Member of **TAU BETA PI Engineering Honor Society**
Member of **Phi Theta Kappa Honor Society**, The Mu Upsilon Chapter
Member of PROMES (Program for Mastery in Engineering Studies). Volunteer community services and study group.
Merit List: 1995 Fall and 1998 Spring Semesters
Dean's List: 1996 Spring, Summer, and Fall Semesters; 1997 Spring and Fall Semesters, and 1998 Fall Semesters
Scholastic Scholarship, Houston Area Federal Business Association awarded in 1996 and 1997

WORK EXPERIENCE

- 8/1999- **Co-op Engineer.** Maxwell House. Soluble Process Department. Insoluble solids yield studies. Participated in
12/1999 resource relocation project. Data collection and analysis for a process control addition to agglomerators (Delta T).
- 1/1999- **Co-op Shift Rotation Engineer.** Maxwell House. Attended training classes for THEO (Thermal Hydrolysis Extraction
5/1999 Operation) and a member of the start up team. Collection and analysis of samples. Traced pipe and created a punch list of problems to troubleshoot. Created spreadsheets, documents, and presentations. Yield study analysis in AMCO.
- 2/1998- **Substitute Teacher.** Pearland Independent School District. Filled in for absent teachers in the areas of mathematics,
1/1999 English, and various other courses for junior high and elementary students.
- 6/1997- **Independent Sales Distributor/Sales Leader.** K.D. Direct Marketing Inc. Solicited of businesses with various items
1/1999 given out on consignment. Responsible for the training of new employees and building a sales team to increase profits.
- 5/1997- Various **construction** and sales jobs. All are available upon request.
5/1995

SKILLS /INTERESTS/HOBBIES

Fluent in Microsoft Word, Excel, and PowerPoint
Exposure to Mathematica and Matlab
Internet, Scanning digital images, and CD Creation
Advanced Scuba Diving Certification in April 1998

Exposure to Visual Basic and Fortran
Exposure to Digital Photo Editing and Design
Playing Guitar (music theory)
First Aid Certification in May 1996

MAJOR COURSES COMPLETED/IN PROGRESS

Transport Phenomena, Unit Operations, Process Control, Thermodynamics II, Fluid Mechanics, Chemical Processes, Computers in Engineering, Physical Chemistry, Inorganic & Organic Chemistry II, Calculus III, Numerical Techniques, Diff. Equations, Mechanics, Physics I, English IV