



# **Tau Beta Pi Resume Book**

**Spring 2000**

# **Chemical Engineering**

## JACOB AARON COLLINS

6013 Patridge Dr.  
Pearland, TX 77584  
Home: 281-489-7738  
Cellular: 713-398-9192  
jakecollins@pdq.net

### 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

**RANDALL COLLUM JR.**

**1226 Barrowgate  
Sugar Land, Texas 77478  
281-491-1786 (home)  
832-423-1178 (cell)  
RCII@aol.com**

<b>OBJECTIVE</b>	An internship position that can utilize an individual in pursuit of a B.S. degree in the field of chemical engineering, who has a high energy level, is willing to work hard, and is academically prepared to meet the challenge of a professional environment.
<b>EDUCATION</b>	<p>Candidate for Bachelors of Science in Chemical Engineering. University of Houston, Houston, Texas. Expected graduation: May 2001 <b>GPA 3.60/4.00; Chemical Engineering GPA 3.83/4.00</b></p> <p>Major courses in progress: -Process Control                      -Transport -Physical Chemistry                -Unit Operations</p>
<b>EXPERIENCE</b>	<p><b>PROCESS ENGINEER INTERN</b> <b>Bayer Corporation</b>, Baytown, Texas Participated in process work for the Makrolon (Plastics) Division, which included performing data studies and working on projects for the enhancement of the unit. Summer 1999</p> <p><b>DEPARTMENT IMPACTOR</b> <b>Mervyn's California</b>, Sugar Land, Texas Kept inventory of various departments in order. December 1998 - January 1999</p> <p><b>SUMMER DAY CAMP COUNSELOR</b> <b>City of Sugar Land</b>, Sugar Land, Texas Summer camp counselor for kids age 5 to 12. Supervised recreational activities. summer 1995 - summer 1998</p>
<b>HONORS/ AWARDS</b>	<p>Dean's List (spring 1998, fall 1998, fall 1999) University of Houston Alumni Scholarship (1997-2001) The Fluor Daniel Scholarship (1999-2000) The Rohm and Haas Scholarship Fund (1998-1999) The Dukler Scholarship Fund (1998-1999) University of Houston Engineering Scholarship (1999-2000)</p>
<b>COMPUTER SKILLS</b>	VISUAL BASIC 5, FORTRAN, MATLAB, Mathematica, and Microsoft Office.
<b>ACTIVITIES</b>	<p><b>President – AIChE</b> (American Institute for Chemical Engineers, 1999-present) Tau Beta Pi (Engineering Honor Society, 1999 - present) University of Houston Cougar baseball team (1997-1998)</p>
<b>REFERENCES</b>	Available upon request

# OLAYEMI OGIDAN

6425 Bankside #1100, Houston, TX 77096  
Home Phone: 713-777-8164 e-mail: olayemi@bayou.uh.edu

---

## **JOB OBJECTIVE**

Seeking an internship position for an individual pursuing a B.S. in Chemical Engineering who is dedicated, willing to work hard and is academically prepared to meet the challenge of a professional environment.

## **EDUCATION**

**University of Houston**, Houston, Texas.

***Chemical Engineering*** Major, ***Mathematics*** Minor.

Expected Date of Graduation: Spring 2001

- ♦ G.P.A. 3.60/4.00

## **TECHNICAL SKILLS**

- ♦ Microsoft Word, Microsoft Excel and WordPerfect
- ♦ FORTRAN 77
- ♦ Mathematica
- ♦ Typing (32wpm)

## **WORK EXPERIENCE**

**PROCESS ENGINEER CO-OP.** ExxonMobil Chemical Houston, Texas.

- ♦ Evaluating the efficiency of the steam system and steam traps in the plant.
- ♦ Investigating, recommending and implementing process improvements and modifications to existing heat exchangers and pump warm-up lines.

August 1999 – December 1999

**PROJECT ENGINEER INTERN.** Texaco Inc., Houston, Texas.

- ♦ Assisted in modifying existing project design.
- ♦ Reviewed and modified Bid Package to comply with project modifications.
- ♦ Interacted with vendors and compiled a bid list for project.

Summer 1999

**ACADEMIC SUPPORT ASSISTANT.** Learning Support Services, University of Houston. Houston, Texas.

- ♦ Tutored college students in mathematics and chemistry.

May 1998 – May 1999

**COMPUTER ASSISTANT/ STUDENT MANAGER.** Current Journals, University of Houston Libraries. Houston, Texas.

- ♦ Supervised activities in the department and in charge of computer maintenance.

September 1997 – August 1998

## **HONORS, INTERESTS AND ACTIVITIES**

- ♦ Treasurer – Tau Beta Pi Engineering Honor Society
- ♦ Torch Bearer and NSBE Fellow – National Society of Black Engineers (NSBE).
- ♦ Member – NSBE, Golden Key National Honor Society
- ♦ Dean's List, five semesters.
- ♦ Swimming, Lawn tennis and Singing.

**Thuy-Ai (Annie) Pham**

8435 Battleoak Dr.  
Houston, TX 77040

[thuyaipham@yahoo.com](mailto:thuyaipham@yahoo.com)

(713) 213-4364 (c)

(713) 466-5382 (h)

---

**OBJECTIVE** An entry-level **Chemical Engineering position**. Open to travel and relocation.

**EDUCATION** Bachelor of Science in Chemical Engineering.  
University of Houston, Houston, TX. Graduation Date: May 2000  
Minor: Chemistry Overall GPA: 3.22  
**Coursework:** Thermodynamics I & II, Numerical Techniques, Fluid Mechanics, Process Control, Transport, Unit Operation, Reactor Engineering, Design I & II, and Engineering Practices.  
**Technical Electives:** Solid/ Liquid Separation and Biological Processes of Wastewater Treatment.

**COMPUTER SKILLS**

**Software:** ChemCad, Microsoft Excel, Labtech, Mathematica, Matlab, Microsoft Office.

**Programming languages:** Fortran, Visual Basic

**Platforms:** PC (IBM compatible), Macintosh

**HONORS AND ACTIVITIES**

Dean's list in Fall 1995

Member of Tau Beta Pi Association

Member of Omega Chi Epsilon Association

Member of American Institute of Chemical Engineering (AIChE)

Member of Society of Women Engineers (SWE)

**WORK EXPERIENCE**

**Computer Lab Assistant.**

School of Communication, UH

8/1997-Present

Responsibility: Monitoring three computer labs, setting labs for student use, providing technical support on PCs and Macintosh computers, and solving software application and printer problems encountered by students.

**Chemistry Lab Assistant.**

Science and Research Department, UH

8/1996-5/1997

Responsibility: Assisting two graduate students research in rock, water, and oil samples, preparing clay and determining isotopic composition of clay, separating water from oil collected from oil/gas wells for chemical analysis; measuring pH, alkalinity, conductivity of water for IC (Ion Chromatography), and ICP (Inductively Coupled Plasma).

**REFERENCES**

Available upon request

11230 Sharpview  
Houston., Tx. 77072  
(281)-568-6476  
mayshek@bayou.uh.edu

# May B. Shek

---

## Activities and Officer Positions...

- Currently researching on the phase equilibria of ethylene-propylene-diene terpolymer
- Invited to join the UH Chapter of Tau Beta Pi (National Engineering Honors Society)
- American Institute of Chemical Engineers (AIChE) Aug. 1998-Present
- Alpha Lambda Delta-Phi Eta Sigma  
National Freshman Honors Society (ALD-PES)  
–**Publicist** May 1999-Present
- University of Houston Honors College Aug. 1998-Present
- Volunteer at various community service opportunities
- Tutoring, particularly in Math and Science related classes
- Piano 1987-Present

## Awards and Honors...

- U of H Alumni Scholarship Sept. 1998-May 2002
- BP Petroleum Scholarship Sept. 1999-Dec. 1999
- Cullen College of Engineering Scholarship Sept. 1999-May 2002
- Provost Scholarship Dec. 1999
- Jewell G. Elsik Scholarship Sept. 1998-May 1999
- Outstanding First Year Honors Student (awarded by the Honors College of the University of Houston) September 2, 1999
- Dean's List—Fall 1999
- Dean's List—Spring 1999
- Dean's List—Fall 1998
- Daughters of the American Revolution Good Citizenship Medal (Awarded May 20, 1998)

**MINH UYEN VO**  
**11202 Concho**  
**Houston, TX 77072**  
**Phone: (281) 568-7479**  
**Email: [uvo@bayou.uh.edu](mailto:uvo@bayou.uh.edu)**

**OBJECTIVE:** Seeking a permanent position in the Chemical Engineering field

**EDUCATION:** UNIVERSITY OF HOUSTON, CENTRAL CAMPUS  
Bachelor of Science CHEMICAL ENGINEERING (May 2000)  
Chemical Process emphasis  
Cumulative GPA: 3.10

**RELEVANT COURSE WORKS:**

Chemical Process Design:

Plan and execute a four-month project to design an chemical process manufacturing MIBK. Sizing equipment and optimize the process. Writing reports and giving presentation.

Chemical Engineering Unit Operation:

Studying the configurations and operations of equilibrium and kinetic separation units. Team-working in a project designing a "Heart-Lung device" separating oxygen from blood using a membrane.

Heat and Mass Transfer Phenomena:

In-depth knowledge of heat and mass transfer phenomena.

**WORKING EXPERIENCE:**

University of Houston, Learning Center: Tutoring Mathematics, Physics, and Chemistry (01/98 to present)

University of Houston, Computer Lab: Lab assistant (01/98 to present)

University of Houston, Stock room: Lab assistant (01/96 to 12/97)

**TECHNICAL SKILLS:**

Skills: Troubleshooting ability, hands-on experience with NMR, FTIR, Thermocouples, Mass Flow Controllers.

Computer: MS Excel, MS Word, Word Perfect, MS PowerPoint, MathCAD, ChemCAD, Matlab, FORTRAN, C, UNIX, Visual Basic.

**HONORS and ACTIVITIES:**

Member of Tau Beta Pi Honor Society  
AIChE active member (1997 to 1999)

**PERSONALITIES:**

Patient, creative, cheerful, endurance, **willing to relocate for work**

**Reference Available Upon Requested**



**MIN WANG**

6401 Ranchester #160, Houston, Texas 77036

Email: mwang1120@aol.com

Tel: (713) 271-3667

**OBJECTIVE** To seek an intern position or part time job

**EDUCATION** **Chemical Engineering** (Junior)  
08/98-Now University of Houston, Main Campus Houston, TX  
Cumulative GPA: **3.81**/4.0

09/97-08/98 **Organic Polymer Material** (Freshman)  
Beijing University of Chemical Technology Beijing, China  
Cumulative GPA: 3.9/4.0

**CHEMICAL ENGINEERING COURSES**

Chemical Processes (finished)  
Thermodynamics I (finished)  
Thermodynamics II (finished)  
Numerical Techniques (finished)  
Fluid Mechanics (finished)

Physics Chemistry (taking now)  
Transport Processes (taking now)  
Unit Operations (taking now)  
Process Modeling and Control (taking now)

**COMPUTER SKILLS**

Very familiar with Visual Basic, FORTRAN, Microsoft Excel

**ACTIVITIES** President of Honor Society of Chemical Engineering Association Beijing University of Chemical Technology; VP of Chinese Undergraduate Student Association UH;

**Honor Societies** Phi Beta Delta Honor Society

# Thomas Craig Wilson

777 #17 Bateswood Drive  
Houston, TX 77079  
(281) 596 -8297  
TCraigWilson@worldnet.att.net

---

Objective	Chemical Engineer in Process or Project Engineering in the Chemical Industry
Education	<p>B.S. Chemical Engineering University of Houston Anticipated Graduation Date: May 2001 GPA: 3.93</p> <p>Earn 100 percent of college expenses</p>
Work experience	<p>Help Desk Analyst – present Exxon-Mobil Corp. 1990 – present</p> <ul style="list-style-type: none"><li>▪ Computer Help Desk analyst 1996 – present<ul style="list-style-type: none"><li>▪ Support a nationwide client base of ~ 500 retail stores using multiple systems and platforms</li></ul></li><li>▪ Retail store manager – 1993 – 1996<ul style="list-style-type: none"><li>▪ Recruit, train, &amp; supervise a staff of 5 – 10 employees</li></ul></li><li>▪ Sales Associate / Assistant Manager 1990 – 1993</li></ul> <p>Zookeeper, Goode Children's Zoo, Wheeling, WV 6/89-8/89 Part Time Sales Assistant, Discovery Zone, Charlotte, NC 9/88-5/89 Part Time Line Cook, Don Emilio's Restaurant, Parkersburg, WV 6/88-8/88 Part Time</p>
Honors	<p>Member, Tau Beta Pi, Engineering Honor Society Member, Golden Key, National Honor Society Member, Phi Theta Kappa, International Honor Society 2 year colleges</p>
Skills	<p>MathCad, Mathematica, Visual Basic, Visual Interdev, HTML, Matlab/Simulink, Microsoft Word, Excel, Access, Fortran</p>
Activities	<p>Member, American Institute of Chemical Engineers Member, National Society of Professional Engineers</p>
Reference	Available upon request

# **Civil Engineering**

**Angela Keggenhoff**

4151 Pine Crest Trail; Houston, TX - 77059

Tel.: (281) 488-2547; Fax: (281) 488-2549

E-mail: angelak@jetson.uh.edu

**OBJECTIVE:**

Gain valuable work experience in Civil Engineering (**construction and design**) while intensifying interest and knowledge in that specific area.

**EDUCATION:**

University of Houston: 1997 to present

Currently a **senior** majoring in civil engineering (**GPA: 3.67**). BS Degree expected in **December 2000**.

Rheinisch-Westfälische Technische Hochschule (RWTH) Aachen (Germany):

1995-1997. Majoring in civil engineering.

Bischöfliche Maria Montessori Gesamtschule (high school/ Germany): 1992-1995.

High school diploma (**Abitur**) obtained in July 1995. Main courses: mathematics and physics. German Grade Average: 2.3 (1: best, 6: worst).

Colegio de las Teresianas (Tarragona/ Spain): 1990-1992

**RELATED WORK EXPERIENCE:**

Bayer Corporation (Pittsburgh, PA): Summer 1999

Ten week collaboration in the site development department of corporate engineering, while performing assignments including site drainage and earth work calculations, cost estimating, researching and tabulating data for benchmark studies, preparation of multi-site reports for master planning, and other.

Bildungszentrum des Bauhandwerks (Germany): 1995

Three months assistance in the **training center for the building industry**. working with the apprentices. Assignments like laying bricks and tiles, carpentry, reinforced concrete, road paving, and others were fulfilled.

Architect Jürgen Hoffmann (Germany): Summer 1995.

Four weeks assistance in **architecture office** with tasks like ink drawings, typing, surveying of future assignments, connected drawings, visiting building sites, and other activities.

**SPECIAL SKILLS:**

- ◆ **German** (mother tongue), **Spanish** (fluid, Diploma Inferior de Español), **French** (basics)
- ◆ Basic skills of **Visual Basic**, **Mathematica**, **Word**, and **Excel**
- ◆ **Surveying**: required to obtain degree at RWTH Aachen (2 semesters)

**ACCOMPLISHMENTS:**

- ◆ **Dean's list** (Fall 1997, Spring 1998, Spring 1999, Fall 1999)
- ◆ **Engineering Gillingham Fund Scholarship** (Fall 1998, Spring 1999)
- ◆ **Structural Consulting Co., INC./Monteith Scholarship** (Spring 2000)
- ◆ **Outstanding Student** (Fall 1998 - Spring 1999)
- ◆ Member of **ASCE** (Senior Rep. 2000), **Golden Key** National Honor Society, National Civil Engineering Honor Society **Chi Epsilon** (Secretary-Treasurer Spring 2000), National Engineering Honor Society **Tau Beta Pi**.

# Carlos Romero

4643 Wild Indigo #408

Houston, TX, 77027

Home Phone 713-355-4368

cromero65@hotmail.com

---

## OBJECTIVE

To obtain an entry level structural engineering position in a professional engineering environment.

---

## QUALIFICATIONS

- B.S. in Civil Engineering.
- M.S.C.E candidate (expected graduation, August 2000) on a research assistantship.
- Academic experience in the field of civil engineering and civil engineering research with an in depth knowledge on the bracing behavior of steel girders.
- Technical experience in the field of finite element analysis and related software.
- Extended academic engineering knowledge with respect to structural design and analysis.

---

## WORK HISTORY

*1998-Present      Research Assistantship; Dr. Todd Helwig, University of Houston*

Extensive research into the material behavior of bracing for skewed girders for which there are no formal design requirements. Since skewed girder designs introduce uneven load distributions within the braces, the objective of the research focused on determining efficient methods for brace design. Designed and supervised the fabrication of two gravity load simulators used in the testing of steel girders. Experienced with advanced research techniques including *instrumentation and trouble-shooting*.

*1996-1997      Laboratory Assistant, Dr. Thomas Hsu, University of Houston*

Assisted in the research of concrete shear walls under seismic loading. Experienced with the only Universal Strain Controlled Tester in the world. Developed "hands on" knowledge into the design and fabrication of concrete panels and shear walls including fabrication of steel reinforcing cages, form work, and concrete mixtures.

*1990-1992      Assistant Manager, Domino's Pizza*

Responsibilities included supervision of the daily operations for the store including but not limited to the supervision of employees, customer relations, and financial bookkeeping.

---

## EDUCATION

- B.S. in Civil Engineering, U of H, graduated Cum Laude G.P.A. 3.29 (A=4.0), May 1998.
- Candidate for M.S. in Civil Engineering, U of H, expected August 2000.

---

## INTERESTS & ACTIVITIES

- Corresponding Secretary for Tau Beta Pi; 1998
- U of H Chapter Representative at Chi Epsilon Biennial Conclave, 1998
- Hobbies include basketball, running and weight training

---

## COMPUTER SKILLS

- Extensive knowledge of Excel, Power Point, BASP, ANSYS.
- Experience with Silicon Graphics, UNIX.
- Proficient in VBA computer language.

---

## AWARDS RECEIVED

- Graduated undergraduate Cum Laude G.P.A. 3.29 (A=4.0), May 1998
- Tau Beta Pi Engineering Honor Society
- Chi Epsilon Civil Engineering Honor Society

# **Electrical Engineering**

## **Donald A. Cybulski Jr.**

11622 Sagemeadow Lane

Houston, Texas 77089

(281) 484-8141

e-mail: [Cybulski@IEEE.org](mailto:Cybulski@IEEE.org)

<b>Objective</b>	To obtain a position as an electrical engineer that will utilize my talents, analytical skills, education, diverse experience, and desire to learn.		
<b>Education</b>	May, 2000	University of Houston	Houston, TX
	• B.S.E.E. - Option in Power, Controls and Communications (Graduated Top 10 in Electrical and Computer Engineering)		
	Dec., 1996	San Jacinto College	Pasadena, TX
	• A.A., Mathematics		
<b>Experience</b>	1977-1999	A-1 Patterns	Houston, TX
	<b>Pattern Maker</b> • Laid out, built and modified wooden patterns from blue lines		
	1996-1997	Pasadena I.S.D.	Pasadena, TX
	<b>Substitute Teacher</b> • Taught English, History, Mathematics, and Physics for grades 5-12		
	1983-1993	Ozarka Drinking Water	Houston, TX
	<b>Assistant Sales Manager</b> • Increased area sales by over \$200,000 each year		
	<b>Assistant Dispatcher</b> • Implemented a training course for new hires		
	<b>Service Representative</b> • Kept over 400 customers from discontinuing service		
	<b>Salesperson</b> • Brought in over 1800 new customers in less than five years • Received company's highest sales award in 1986		
<b>Associations</b>	• Member of Tau Beta Pi – National Engineering Honor Society • Member of Eta Kappa Nu – National Electrical Engineering Honor Society • Member of IEEE Student Branch – Treasurer for the 99/00 school year • Member of the Engineering Student Advisory Committee		
<b>Special Skills</b>	• Proficient in Windows 2000, NT, 98, 95, 3.1, Microsoft Office products, AutoCAD, Electronics Workbench, Mathematica, C, Fortran, and the internet		
<b>Awards</b>	• Received College's Highest Award - Outstanding Engineering Senior • Received TSPE Award - Outstanding Engineering Student		
<b>References</b>	Available upon request		

**Manal G. Eghneim**  
**3713 Choctaw Dr.**  
**La Porte, Texas 77571**  
**Home Phone: (281) 476-0666**  
**Mobile Phone: (281) 635-1078**  
[mge8904@bayou.uh.edu](mailto:mge8904@bayou.uh.edu)

**OBJECTIVE:**

Electrical or Computer Engineering CO-OP position.

**EDUCATION:**

- University of Houston, BS expected December 2000  
Major: Electrical Engineering  
GPA: 3.58/4.0                      Hours Completed: 63
- Austin Community College:  
GPA: 4.0/4.0                      Hours Completed: 47

**EXPERIENCE:**

AverStar, Inc.                                      CO-OP Analyst                                      June, 99 to present

- Worked as a CO-OP analyst on the International Space Station Project. Developed scripts using the Test Control Language for testing the Guidance, Navigation, and Control subsystem of the Flight Software.
- Worked as an Independent Validation and Verification reviewer on the Software Test Description for Flight 8A.

**SCHOLARSHIPS RECEIVED:**

- Society of Women Engineers
- Society of Women in Computing
- Society of Tribologists and Lubrication Engineers
- Phillips Petroleum
- Barnes & Noble
- Power Compression and Machinery

**ACADEMIC HONORS:**

- Society of Women Engineers: Certificate of Achievement
- Member of Tau Beta Pi (The National Engineering Honor Society)
- Member of Eta Kappa Nu (The National Electrical Engineering Honor Society)
- Member of Golden Key National Honor Society
- University of Houston: Dean's List
- Austin Community College: President's Honor Roll

**COMPUTER SKILLS:**

- Demonstrated knowledge of the "C" programming language
- Demonstrated experience of the Test Control language (TCL)
- Demonstrated knowledge of the computer math tool Mathematica
- Demonstrated experience in using Microsoft Word and Excel Spreadsheets for word processing, simple data analysis, and graphing

**SPECIAL PROJECTS:**

- Designing logic circuits including Four-Bit Arithmetic Units, Counters, Traffic controllers, and others
- Designing simple Voltmeters and other electronic circuits



**TRAININGS:**

- ISO 9000: Quality System Implementation
- ISO 9000: Surviving a Quality System Audit

**ACTIVITIES:**

- Offering free tutoring to freshmen students in Math and Science.
- Member of Society of Women Engineers

**REFERENCES:**

Available upon request

Hm (281)484-7673  
Pgr (713)814-2247  
mgove@bayou.uh.edu

## Objective

## Ambition

## Education

## Experience

## Honors

## References

Dr. Dave Shattuck, PhD.  
Electrical Engineering Professor. University of Houston  
(713)743-4422  
Shattuck@UH.EDU

**Gregory Y. Lin**  
6546 Rutgers, Houston, TX 77005  
phone: 713 665 3455; e-mail: [islandsavage@hotmail.com](mailto:islandsavage@hotmail.com)

**Job Objectives:** I am seeking a job, internship, or coop, where I can see, learn, and gain experience in the workplace. I intend to go to law school after getting my BSEE from the University of Houston.

**Education:**

- University of California, Irvine: Pre-Med.
- Chabot College: Undeclared. Hayward, CA;
- University of Houston: Electrical Engineering. Senior. GPA: 3.47. I am pursuing a Bachelors of Science, in Electrical Engineering. Expected graduation date is Spring, 2001. I hope to attend law school at UH, or UC Berkley.

**Honors and Achievements:**

- The Honor Society of Phi Kappa Phi- Spring 2000
- Golden Key National Honor Society- Spring 1999
- College of Engineering Deans Honor List – Fall 1998, Spring 1999

**Job Experience:**

- Dental Lab Technician – I sterilized dental instruments, organized the inventory that moved in and out of the office, answered phones occasionally, patient management. I also got certified to take x-rays in the Spring of 1998. May 1995 – Fall 1998. I stopped working to concentrate on school.

**Technical and Computer Skills:**

- Microsoft Word, Microsoft Excel, C++, Fortran 77
- Typing (80 wpm)

**Kensuke Miyagi**  
4401 Wheeler ST#1720  
Houston, TX 77004

**OBJECTIVE:**

Positions that require responsibility and that enable me to utilize what I learned in Electrical and Computer Engineering field, thereby improving my skills. I am interested in internships, too.

**Education:**

Bachelors in Science (Electrical and Computer Engineering with computer option, University of Houston at central)

Expected date of graduation: Fall 2001.

**HONORS:**

- Deans List (University of Houston) for 4 semesters
- Outstanding Award in cross culture course (1997)
- Tau Beta Pi (1999)

**WORK EXPERIENCE:**

- Secretary  
Telecommunication Service Center, University of Houston, 1998
  - E filing the documents
  - Data entry
  - Making procedures on the office work
- Maintenance of Copy Machines  
M. D. Anderson Library, University of Houston, 1998
- Math Tutor  
Math Department, University of Houston, 1999-present

**SUMMARY of PERSONALITY and SKILL:**

- Diligent: able to do my best on what I decide to do so.
- Responsible: always trying to do what I think was right with my morality.
- Patient: always making an effort not to give up on things.
- Able to cooperate with people
- C program, Fortran, Mathematica, Unix, Dos
- Took some courses on digital logic, electronics, circuits, and etc.
- Fluent in English and Japanese

116 E. Edgebrook  
Apt. # 716  
Houston, TX 77034  
USA

Phone 713-941-5896  
E-mail 1 [anaser1@flash.net](mailto:anaser1@flash.net)  
E-mail 2 [anasser@averstar.com](mailto:anasser@averstar.com)  
E-mail 3 [anasser@bayou.uh.edu](mailto:anasser@bayou.uh.edu)

## ***Alaa Nasser***

---

- Objective** *A challenging position in a progressive environment with potential for personal growth, opportunities to contribute and add value.*
- Education** 1996 - 1999 University of Houston, Houston Texas  
**BS Electrical Engineering.** Projected Graduation :: May 2000
- Current GPA is 3.73
  - Deans Honors list :: 1997 - Currently
  - VP of TAU BETA PI and active member of IEEE
- Work experience** 1999 – currently AverStar – Intermetrics Webster, Texas  
**IV&V associate Engineer (CO-OP)**
- Work with software engineering team to develop, debug and test flight software for the International Space Station (ISS).
- 1998 – 1999 ABB/Bailey Network Management Sugarland, Texas  
Software Engineer (CO-OP)
- Developed, tested and integrated a Short Term Hydro Scheduling Subsystem (STHS) for the Electrical Company of Vietnam (EVN).
  - Developed various Oracle-Excel interfaces, reports and templates currently used by the company's various systems and projects.
  - Performed several Factory Acceptance Tests (FAT) on the Company's main software product RANGER.
- Summary of qualifications**
- Fluent knowledge of C, Fortran and MIPS assembly language.
  - MS-OFFICE including Word, Excel and PowerPoint.
  - Fluent in MATHEMATICA, and MATLAB
- Interests and activities**
- Biomedical Engineering, Networking, Engineering Management and Patent law.

**QUOCDAT T. NGUYEN**  
9907 Berry Limb Houston, TX 77099  
(281) 568-4428  
Email : qnguye10@bayou.uh.edu

---

**Objective:** Looking for an internship or a job position that will aide in my pursuit for a career in Electrical and Computer Engineering and to become more familiar with professional environment.

**Experience:**

- 02/1999 – Present: Psychology Department, University of Houston  
Data entry and process. We have worked for a wide-States child Reading research.  
My task, as in a group, is to entry, process, and verify data electronically.
- 02/1998 - 03/1998: Matrixx Marketting  
Software technical support for GateWay system. Answered customers' calls to give computer troubleshooting ( hardware as well as software)
- 1995 – 12/1998: Wallpaper Depot, Houston TX 77082  
Data entry, networking check up and maintenance. I was responsible for testing or running networking connection cable, and solving problems when the network server was down.

**Education:**

- 1997-Present: University of Houston  
Major: Electrical and Computer Engineering.  
UH Average GPA : 3.4  
Expected graduation : May 2001

**Related courses:**

Circuit Analysis including lab	System Analysis
Electronics Circuit and Devices including lab	Computer in EE
Electromagnetic Wave I & II	C Programming
Digital Logic Design	Numerical Method
Digital Electronics	Circuit and System
Intro. Tele Communication	Pro. & Statistics

**Honor/awards:**

Dean's Honor List: Spring 1998&1999 Semesters  
Member of Eta Kapa Nu Association, National Electrical Engineering Society.  
Member of Tau Beta Pi, The National Engineering Honor Society

**Skills:**

Operating System: MS-DOS, WIN 3.1, WIN 95/98 & NT Server 4.0, and UNIX.  
Computer Language: C , HTML.  
Software : FTP, MS Word/Excel, Visio/graphics apps, MATHEMATICA, MicroSim  
P-Spice, Electronics WorkBrench.

Excellent teamwork skills  
Well trained for problems solving and analyzing results

**References:** available upon request

ADEBOYE (BOYE) OSINULU  
2120 El Paseo, Apt # 1205.  
Houston, TX 77054.  
(713) 383 0998  
boye\_o@yahoo.com

**OBJECTIVE:** Full time employment for a diligent and analytical minded electrical engineer.

**EDUCATION:** Candidate for B.S. in Electrical Engineering at the University of Houston,  
Houston TX.  
Expected date of graduation: Spring 2000.  
G.P.A: 3.79.

Courses completed include Microprocessor Systems, Data Structures, Advanced Engineering Programming – including Object Oriented Programming in JAVA, Electronic Circuits and Devices, Networks II, Programming Apps. in Elect. and Computer Engineering – including procedural programming in C, Digital Logic Design, Digital Electronics, Advanced Microprocessor Systems. In progress: Fundamentals of Operating Systems

**HONORS:** Deans List, University of Houston. Member, TAU BETA PI, ETA KAPPA NU, Golden Key National Honor Society, PHI KAPPA PHI. PROMES (Program for Mastery in Engineering Studies) Certificate of Appreciation. NSBE (National Society of Black Engineers) Torchbearer Recognition (1999/2000, 1996/97). 1<sup>st</sup> place, Texas USA National Karate-do Federation 1999 Regional Championship. Gillingham Foundation Scholarship.

**SKILLS:** MS-Windows, MS DOS, UNIX (in progress)  
MS Access, MS Excel, PCSpim.  
C programming Language, HTML, JAVA, MIPS & MASM Assembly Languages.

**EXPERIENCE: INTERN**

Solutia Inc. – Alvin, Texas.

Intern Project Engineer. Responsible for developing Screening Estimate on Reactor Yield Analyzer Replacement Project. Compiled Design Packages to install Nitrogen Regulators in storage tank blanketing systems. Carried out sizing of vortex meters for flow measurement. – Summer 1999.

Duke Energy Corp. – Houston, Texas.

Developed search tool in MS Access to cross check and extract required data utilizing relational databases. Built detailed files of the relevant components of pipelines and compressor stations for integration into the computer model. Summer 1998.

Member of pipeline and compressor station modeling team.

Modified compressor station diagrams and built corresponding data files for use in the model. - Summer 1997.

ACADEMIC SUPPORT ASSISTANT (Tutor).

Learning Support Services, UH. - August 26, 1996 to May 1999.

**ACTIVITIES:** Corresponding Secretary (1998/99), Eta Kappa Nu. President (Spring 2000), Vice-President (Fall 1999) Tau Beta Pi. Member, Institute of Electrical and Electronic Engineers. Co-Chair, 1996/97 Academic Excellence Committee, National Society of Black Engineers (N.S.B.E), UH chapter. Member, Honors College. Soccer, Shotokan Karate.

## **Christopher Provencher**

2521 Breaux Trace  
Seabrook, TX 77586  
(H) 281-532-2118  
(W) 713-693-3066  
provo22@aol.com

### **Objective:**

Seeking employment in the field of electrical engineering, particularly electronics or control systems, upon completion of my Bachelor's degree in May of 2000.

### **Experience:**

10/97 to Present

Drug Enforcement Administration

Houston, TX

Student Aide

Perform as a clerk in the Administrative Support Unit appropriating funds, processing invoices, reconciling accounts, maintaining files, and maintaining reports of received merchandise.

### **Education:**

Summer 97 to Present

University of Houston

Houston, TX

Electrical and Computer Engineering

Expected Graduation: Spring 2000

Fall 88 to Spring 91

Virginia Tech

Blacksburg, VA

Civil Engineering

### **Military:**

1/97 to 3/98

Texas Army National Guard

G Co. 143D, Ellington Field, TX

Infantry, Long Range Surveillance, Airborne

7/96 to 12/96

Virginia Army National Guard

A Co. 3/116, Manassas, VA

Infantry



1/92 to 7/96

United States Army

A Co. 1/75 Ranger Regiment, Hunter Army Airfield, GA  
Infantry, Airborne Ranger

**Honors:**

Tau Beta Pi

Engineering Honor Society

Eta Kappa Nu

Electrical Engineering Honor Society

## **Joseph Richard Routhier**

453-87-8084

Born November 14, 1978

4851 Gypsy Forest Dr.

Humble, TX 77346

(281) 852-4914

email: [jrouthie@bayou.uh.edu](mailto:jrouthie@bayou.uh.edu)

<b>CAREER OBJECTIVE:</b>	Electrical Engineering, focusing on the discipline of analog and/or digital electronics in the field of communications.	
<b>SCHOOL ACHIEVEMENTS :</b>	<b>University of Houston Honors College</b>	Expected Graduation May 2001
	Major: Electrical Engineering Major GPA: 3.89, Cumulative GPA: 3.64	
	EXTRACURRICULAR ACTIVITIES: Honors College Student Governing Board Honors Advocate Honors Freshman Advisor Honors College Retreat Counselor	
	<b>Humble High School</b>	Graduated May 1997
	Graduated with Honors Graduated Top 5% of Class Coursework Focused on Math and Science	
	EXTRACURRICULAR ACTIVITIES: Science Olympiad Symphonic Band Orchestra	
<b>WORK EXPERIENCE:</b>	<b>University of Houston Cullen College of Engineering</b>	
	Proctor, ECE 1331 – Introduction to Computing	January 1999 – present
	<b>Albertson's, Inc.</b>	June 1996 – August 1998
	Front-End Manager Cashier Lobby Clerk Courtesy Clerk	
	<b>K-Mart Corporation</b>	Feb. 1995 – Dec. 1995
	Front-End Utility Clerk	
<b>AWARDS AND HONORS :</b>	Member, Tau Beta Pi	Inducted Fall 1999
	Dean's List, Cullen College of Engineering	Fall 1997, Fall 1998, Spring 1999
	1 <sup>st</sup> in State, Science Olympiad Egg Cart Competition	Spring 1997
	1 <sup>st</sup> in State, Science Olympiad Naked Egg Drop Competition	Spring 1997
	High School Band Bass Clarinet Section Leader	May 1996 – May 1997
<b>SPECIAL SKILLS :</b>	Extensive Work with C and Fortran Languages, Mathematica, Mathcad, and Microsoft Office	

# Mary Tadros

5111 Aspen,  
Bellaire, TX 77401  
Phone/ Fax: (713) 662- 2112  
E-mail: mtadros@bayou.uh.edu

---

**Objective:** An entry-level position as an electrical engineer, as well as an opportunity to work hard in order to enjoy the experience of meeting some challenging experiences

## **Summary of Skills:**

- **Operating Systems** : MS-DOS, Win 95/NT, Unix, VMS
- **Networks**: FTP, Telnet, Internet
- **Programming Languages**: C, Fortran, HTML, Assembly Language
- **Software** : Mathematica, Electronics Workbench, WorkView Office, Microsoft Word, Excel, Netscape Navigator, Word Perfect, others
- **Telecommunications**: Computer Communications and Networks, Mobile Radio Communications (academic experience)

## **Education:**

Fall 96- Present

**University of Houston**, Houston, Texas  
Candidate for Bachelor of Science degree in Electrical Engineering, *GPA: 3.49. Expected graduation May 2000.*

SOME CLASSES TAKEN: ELECTRIC CIRCUITS, ELECTRONICS, DIGITAL LOGIC, MICRO PROCESSORS, C PROGRAMMING, INTRO TO TLELCOM., DATA AND COMPUTER COMMUNICATIONS (grad level), MOBILE RADIO COMM. (grad level), AND OTHERS.

Fall 94- Fall 98

**Houston Community College**, Houston, Texas ; *GPA: 3.88*  
CLASSES TAKEN: BASIC COURSES

## **Work Experience:**

Nov 99- Present

**Raytheon**, Houston, Texas  
*ENGINEER ASSISTANT II*, Release Interface Coordinator

May 99- Jan 2000

**OTM Engineering** , Houston, Texas  
*CO-OP POSITION*, Assisting managers and consultants in telecommunication projects

Summer 98

**Texas Transportation Institute**, Houston, Texas  
*SUMMER INTERNSHIP*, data collection and data entry

Jan 98

**Family Practice**, Houston, Texas  
*FRONT DESK RECEPTIONIST (volunteer)*

Summer 96

**HEB, Pantry Foods**, Houston, Texas  
*CASHIER*

Dec 94- Present

**ST. Mark Coptic Orthodox Church**, Houston, Texas  
*SUNDAY SCHOOL TEACHER*

## **Honors:**

- Roy & Lillie Cullen Scholarship
- Dean's List
- Tau Beta Pi (Engineering Honor Society)
- Eta Kappa Nu (EE Honor society)
- Certificate of Appreciation from President of UH-ClearLake (Honoring our Elders)
- Certificate of Recognition from HCC for community service
- IEEE member/ SWE member

## **Activities and Interests:**

- Teaching/ Tutoring
- Drawing/ Singing
- Volleyball, Table Tennis

**Reference:** Available upon request

# **Industrial Engineering**

## **SALIMA DELHOUM**

2719 Capitol Avenue, Apt. # A, Houston, TX 77003

(713) 227-2747 (home)

E-mail: [sdelhoulm@bayou.uh.edu](mailto:sdelhoulm@bayou.uh.edu)

### **Objective**

Industrial engineering, operations research/systems analysis, market research analyst, forecaster, scheduler positions.

### **Education**

Master of Science in Industrial Engineering, concentration operations research/systems analysis, May 2000

Department of Industrial Engineering, University of Houston

GPA: 3.59/4.00

Bachelor of Science in Operations Research, USTHB University, Algiers, Algeria, 1995

### **Academic & Professional Experience**

Master's Thesis: Spent at a major airlines Headquarters. Built an air travel flight simulator to forecast bookings on site, Summer 1999

University of Houston:

- Research assistantship on the Bomb Threat Training Simulator, Spring 1998

- Teaching assistantships in project management, industrial scheduling, logistics, etc., Fall 1998-Spring 2000

Algeria's oil and gas company: Sonatrach, Algiers, Algeria, 1996

Operations Research Analyst, Systems Development Department

Team Member of the Technical Information Management System project

Work involved mathematical modeling of a decision making tool for "what if" cases (production, transportation, commercialization)

BERTEC (private research company), 1995

Operations Research Modeler in charge of econometric case studies in terms of demand and supply

Senior year of USTHB University, 1994-1995

- Developed a model for forecasting energy demand in the long term in Algeria

- Became acquainted with European and American (NEMS) energy demand and supply models at Sonatrach, Ministry of Energy and Mines, APRUE (Algerian agency for the rationalization of the utilization of energy)

### **Awards & Memberships**

Member of the Tau Beta Pi, the Engineering Honor Society

Fellowship, Dept. of Industrial Engineering, University of Houston

Member of the Institute of Industrial Engineers

### **Skills**

Integration of economics, mathematics and statistics for

- System modeling: econometric modeling, mathematical modeling (optimization), simulation modeling (system dynamics)

- Statistical decision analysis under risk and uncertainty

### **Computer Skills**

Microsoft Office: Excel, word, ms project, power point, ms photo editor; Statistical Packages: SPSS, Math lab, Statistica, Relpac, Quattro Pro; Simulation Software: Ithink (system dynamics models), GPSS, Authorware; Operations Research: Lindo, Scheduling: Legin; Programming: Basic, Fortran; Materials Handling: Mhand; Artificial Intelligence: Neurelware; CAD-CAM: Smart CAM, GIBBS

### **Languages**

Arabic, English, French, and Italian

### **Hobbies**

Tennis

# ALISA LAKIN

(281) 772-7168  
alakin@jetson.uh.edu

## OBJECTIVE

---

I am anxious to gain experience in the engineering field. I know that for me to be a successful engineer I need not only the knowledge that I gain from the classroom but from hands on experience and interaction with other engineers.

## EXPERIENCE

---

### Work:

- Fall '99 – Present: Interning at BP Amoco with my Human Factors class. We are evaluating and designing/redesigning workstations.
- Summer '98: Worked in the accounting department for Oryx Energy Company (now Kerr-McGee Corporation). Primary objective was to accurately process a minimum of 3,000 invoices per month for Oryx Energy Company. In order to accomplish this, it was necessary for me to understand the accounts payable process and be able to navigate my way through the Oryx computer accounting system. I was able to work independently, take on additional tasks, and exceed the job expectations defined for my job.

## EDUCATION

---

1997 - present University of Houston

- An active member in the Univ. of Houston Honors' Program
- 3.34 GPA ; Dean's List Fall '98 and Fall '99

1996 - 1997 Dallas County Community College

1996 - 1997 University of Texas at Dallas Richardson, TX

## INTERESTS, ACTIVITIES AND GOALS

---

- I am a member of the Society of Women Engineers; American Institute of Industrial Engineers; Golden Key National Honor Society; Alpha Phi Mu National Honor Society for Industrial Engineers; National Society of Professional Engineers. I am up for consideration for membership in Tau Beta Pi Engineering Honor Society. I was named one of four Outstanding Students in Industrial Engineering.
- My scholarships for this semester include the Gas Processors Association Scholarship, the Piping Technology Scholarship, and a scholarship from the Industrial Engineering Department.
- My interests outside of engineering include: physical fitness, computers and financial investments.
- A very important goal to me is to become fluent in Spanish. I have taken a couple of classes at the University and plan on finishing after I graduate.

## REFERENCES

---

Melinda Marks - Manager of General Accounting - Kerr-McGee Corporation; Dallas, TX (972) 715-3647

John Crowder - Senior Accountant - Kerr-McGee Corporation; Dallas, TX (972) 727-4830

Darlene Myers – Accounting Assistant – Kerr-McGee Corporation; Dallas, TX (972) 715-3661



MARTHA H. RAMOS  
mramos6@bayou.uh.edu  
Home: 713-787-6278 Work: 713-743-4132  
6311 Beverly Hill St. # 70. Houston TX. 77057

**IND. ENG. (PROJ. MANAG., FINANCE, LOGISTICS, AND CONSULTING) WITH OPPORTUNITIES FOR BECOMING AN EFFECTIVE LEADER.**

EDUCATION

1999-Present **MS Ind. Eng.** University of Houston, Houston TX. Graduation expected in Dec 2000, GPA:3.7  
1997 **BS Ind. Eng.** Pontificia Universidad Javeriana, Bogotá, Colombia, GPA:3.5  
1996-1997 Industrial Engineering, University of Tennessee, Chattanooga, TN. **Exchange Student**, GPA:3.7

WORK EXPERIENCE

Jan 99–Present **University Of Houston**, Teaching/Research Assistant Industrial Eng. Dep., Houston, TX  
Mar 98-Jan99 **ABBOTT Laboratories**, Financial and Project Planning Engineer, Bogotá, Colombia  
Apr-Jun 97 **Integrated Voice Solutions**, Internship, Marketing and Finance, Chattanooga, TN

PROJECTS

**Project Management:** Assist on Project Management Workshops, Ringstones Consulting Int. **Manufacturing:** Enhance the productive process and reduce costs of a liquor shop, **Motion and Time Study:** Increase productivity and cost reduction in a liquor shop, **Finance:** Cash flow and profitability analysis for a telecommunications company, **Ergonomics and Safety:** Increase productivity and enhance workers' work environment, Production Operators Inc.

HONORS RECEIVED AND AWARDS

1999 - 2000 Graduate Tuition Fellowship.  
1999 The *National Engineering Honor Society* (Tau Beta Pi) initiate.  
1999 The *Industrial Engineering Honor Society* (Alpha Pi Mu) initiate.  
1996 Scholars In Campus, University of Tennessee. Chattanooga, TN.  
1996 *Dean's List University of Tennessee*, Chattanooga, TN.  
1991 - 1992 *Best Student Class 92*, Colegio Sagrado Corazón, Bogotá, Colombia.

TECHNICAL SOCIETIES MEMBERSHIPS

Institute of Industrial Engineers (**IIE**), Project Management Institute (**PMI**), and The Association for Total Cost Management (**AACE**).

LANGUAGES

Fluent : **Spanish** and **English**. Intermediate Speaking and Writing: **French**

COMPUTER SKILLS

MS Office Suite, MS Windows, Internet and Web Design, Programming in Turbo Pascal, C++ and Basic

SEMINARS AND CONGRESSES

Nov 99 "The 4<sup>th</sup> Annual Int. Conference on Industrial Eng. Theory, Applications and Practice" San Antonio, TX  
Mar 99 "Project Management Best in Class Practices" AACE Spring 99 Seminar, Houston, TX

**MARTHA H. RAMOS**

**mramos6@bayou.uh.edu**

**Home: 713-787-6278    Work: 713-743-4132  
6311 Beverly Hill St. # 70. Houston TX. 77057**

Oct 97 "Flexible Manufacturing, Investigation and Product Development" National Assoc. of Ind Eng. Colombia

Nov 96 "Int Conference of Industrial Engineering Practice and Application" Double Tree Hotel, Houston, TX

**ACTIVITIES AND HOBBIES**

Couar Paw Representative for Engineering Dean's Office, Tau Beta Pi District Conference Representative, Since Fair Judge, Blood Drive Coordinator, Activities Officer Tau Beta Pi. Theatre, opera, ballet, swimming, running, and movies.

# **Mechanical Engineering**

# **Oscar Gerardo Herdocia**

oherdoci@bayou.uh.edu  
(713) 743-7315  
4361 Wheeler St. QL317  
Houston, TX 77004

## **Objective:**

To gain knowledge and experience through a summer internship with a major corporation that will expose me to a true engineering environment.

## **Qualifications:**

- Computer Skills (e.g. Word, Excel, PowerPoint, Adobe products, Internet Explorer, UNIX Operating System)
- Computer Programming Languages (e.g. LabView, C++, Pascal, Matlab, HTML)
- Knowledge of computer hardware
- Communication Skills
  - Bilingual in Spanish and English
  - Proven Artistic Skills
  - Cultural Experience (Lived in Nicaragua and Costa Rica; Visited Mexico, Italy, Spain, England, France)
  - Major participation in the writing of two papers for the University of Houston on the functionality of electrical contacts subjected to mechanical vibrations

## **Awards Received:**

- President's Award for High School Performance, 1997
- Engineering Dean's List Fall 1997, Spring 1998
- Scholarship Awards from several sources: American Petroleum Industries, Cooper Industries, British Petroleum, Lynette Aubrey Foundation, Shell Co.

## **Education:**

University Of Houston: Expected graduation, May 2001  
Enrolled in Cullen College of Engineering and Honors College  
Major: Mechanical Engineering  
Cumulative G.P.A. (4.0 Scale): 3.46

Mayde Creek High School: Graduated May 1997  
Graduated with Honors and International Business Achievement  
Cumulative G.P.A. (4.0 Scale): 3.51

## **Experience:**

RESEARCH ASSISTANT, University Of Houston, Houston, Texas (May 1999-Present)

Conduct and analyze experiments to gather new information on fretting and the effects of mechanical vibrations on conductivity

- Gained knowledge over the field of material science
- Have sharpened laboratory skills and procedures
- Improved programming skills, specifically for the purposes of integrating computers with experimental devices through GPIB cable and DAQ boards

TRANSFER ARTICULATIONS ASSISTANT, University of Houston, Texas (Sept. 1998- Jan. 1999)

Maintained and created Transfer degree Plans and Transfer Department web sites. Maintained various databases of prospective students and community college counselors. Assisted counselors in the creation of presentations. Created Flyers and documents for various student recruitment events.

- Exposed to a team office environment
- Gained knowledge in web programming
- Experience in graphic design

RESEARCH ASSISTANT, University Of Houston, Houston, Texas (May 1998-July 1998)  
Assisted Researchers of the F.L.A.C.S. Program in the Engineering Department

- Intensive skill training with Unix systems
- Valuable experience in web site creation and data input
- Exposed to Fluid Mechanics of Blood Flow in the Human Arteries

### **Other Jobs:**

POOL MANAGER, A-Beautiful Pools, Houston, Texas  
SERVER, El Chico Restaurant, Houston, Texas  
CASHIER, Randall's Food Store, Houston, Texas

### **Associations:**

Pi Tau Sigma Mechanical Engineering Honors Fraternity  
American Society of Mechanical Engineers (A.S.M.E.)  
University of Houston Honors College  
Member of Future Business Leaders of America (F.B.L.A.) in High School

### **Hobbies/Sports:**

Tennis, Basketball, Scuba Diving, Water-skiing, Fishing, Traveling, Art, Computers, Volunteering

### **References:**

Dr. Kenneth White  
University of Houston, Professor; Materials Science and Engineering, 713-743-4500

Juan B. Garcia  
University of Houston, Assistant Director for Transfer and Articulation, 713-743-9627

Orlando J. Teran  
Sunland Engineering Co., President, 713-467-8484

Paul Dereck  
ABB Lummus Global Inc., Contracts Manager, 281-589-3770

**Elaine Schomburg**

College Address:  
4361 Wheeler + QL314  
Houston, Texas 77004  
(713) 743-7078

Home Address:  
16443 Shady Elms  
Houston, Texas 77059  
(218) 488-7839

sschomb@bayou.uh.edu

**Career Objective**

A position in the medical field that allows me to use my skills in mechanical engineering to the fullest

**Education**

University of Houston Honors College  
128 credit hours completed  
Pursuing Bachelors in Mechanical Engineering, expected graduation May 2001  
Grade Point Average 3.53 on 4.00 scale

**Work Experience**

University of Houston Mechanical Engineering Department      January 1999 - Present

Title: Research Assistant

Job Description: I am currently working on my honors thesis entitled "Technical and Social Challenges in Medical Robotics." This project will examine the use of automation, control, and computer vision technologies to develop surgical manipulations that assist the surgeon in performing minimally invasive operations. During the past school semester I completed a bibliographic database for the project. Now, with the coming of the new school semester, my involvement with the project will be examining the geometric design of the robot arms and performing simulation tests.

University of Houston Fluid Mechanics Lab      September 1997 – January 1998

Title: Laboratory Assistant

Job Description: I worked with a bioreactor development team studying the growth of live cells. My responsibilities included analysis of data brought back from the shuttle flight STS 85, experimental study of microbead trajectory, and image processing.

**Volunteer Experience**

Saint John's Hospital, Houston, Texas      September 1993 – May 1996

- Aid to the nurses and doctors making sure that the patients were comfortable
- Receptionist in Medical Records

Saint Joseph's Hospital, Houston, Texas      December 1996 – August 1997

- Helper at the hospital daycare
- Receptionist in the Neonatal Intensive Care Unit

**Honors and Activities**

- President (former Treasurer) of IITΣ (National Honorary Mechanical Engineering Fraternity)
- Selected as a participant in the Faculty for the Future Engineering and Science Research Experience for Undergraduates sponsored by Purdue University through a grant from the GE Fund.
- Academic Recognition, ASME Petroleum Division Scholarship, and Cullen College of Engineering Scholarship
- Dean's List in the Honors College – Fall 1998 and Spring 1999 and Fall 2000
- American Society of Mechanical Engineers member
- Alpha Epsilon Delta (Pre-Medicine Honor Society) member
- Health Occupations Students of America member

**References**

Available upon request