

# **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