

A. Giovanni Gonzalez

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OBJECTIVE Co-op or Internship position that will allow me to use my analytical and problem solving skills while helping me grow in a professional environment. (Willing to relocate and travel).

EDUCATION **University of California, Berkeley**
M.S. Mechanical Engineering, expected *December 2004*

University of California, Berkeley (Honors – Cum Laude)
B.S. Mechanical Engineering, *May 2002*
major GPA: 3.74, overall GPA: 3.70

Mt. San Antonio College, Walnut, CA
major GPA: 3.72
Completed Lower Division coursework (*1998-2000*),

CERTIFICATES **Fundamentals of Engineering (FE) certified**, State of California. *June 2002.*

RELATED COURSES

- Research Design
- Introduction to Microelectromechanical Systems (MEMS)
- Mechanical Communication
- Engineering Graphics
- Venture Design: The Startup Company
- MicroProcessor-Based Design of Mechanical Systems
- Mechatronics

EXPERIENCE Mount San Antonio College, Walnut, CA 1/03-Present
Supplemental Instructor. Advisor, Professor Mason.
Lead Discussion and Study Sessions for Physics 4C (Engineering Physics 3). Prepare lectures and guide students through course.

The Learning Plaza: Phillips Ranch, CA 7/99-Present
Assistant Manager/Tutor. Advertise and promote The Learning Plaza. Recruit, train and supervise tutors, manage in absence of Director, and deal with dissatisfied costumers. Process invoices, open and close business regularly, tutor high school and elementary students with various science based and mathematical subjects.

University of California, Berkeley 1/02-5/02
Undergraduate Researcher. Advisor, Professor Arun Majumdar.
Develop software for an electrophoresis microchip using LabView. Devise a method for applying vacuum/suction methods for microchannels. Test microchannels of a microfluidic device for electrophoretic separation of macromolecules such as DNA and proteins in aqueous solution.

The Tutoring Center: Berkeley, CA 1/02-5/02
Tutor. Tutored high school and college students in advance math and science subjects.

University of California, Berkeley 1/01-11/01
Research Apprentice (Honors Undergraduate Research).
Advisor, Professor Li-wei Lin. Designed a jig used in vacuum packaging for MEMS (Microelectromechanical systems). Machined various parts for different jigs. Perform and analyzed experiments with MEMS resonators and various MEMS systems.

PROJECTS

- **Sorting Train System**
A computer program using JAVA that controlled motors to sort the cars of incoming trains.
- **Snooper, Bio-watch sensor prototype design**
Watch that detects Biochemicals.
- **Liquid Time, Business Venture**
Designed a business plan for a fashion liquid watch invention.

SKILLS

- Strong leadership, communication and interpersonal skills; experienced public speaker, team worker; applying theory to practical applications and problem solving.
- AutoCAD 2000, Java (JBuilder 6), Matlab 5.3, LabView, MS Office 2000, SolidWorks 99
- Machine shop trained.
- Languages: Spanish (verbal and written), and French (verbal).

HONORS

Berkeley Edge (NSF-AGEP) Fellowship recipient.

International House Fellowship recipient.

Departmental Citation Award. Top student of ME Department for Undergraduate Studies nominated by faculty in the Mechanical Engineering Department at University of California, Berkeley.

Consecutive Semester Honors. Throughout undergraduate studies at University of California Berkeley and Mt. San Antonio College.

LEADERSHIP/ ACTIVITIES

- **World Traveler**, backpacked through 27 cities in Europe during Summer of 2002.
- **President/Activities Chair**, Pi Tau Sigma Mechanical Engineering Honor Society.
- **Activities Officer**, Tau Beta Pi Engineering Honor Society.
- **President**, Alpha Gamma Sigma State Honor Society.
- **Member**, nationally recognized Mt. SAC Speech and Debate team.