

Jan. 2004 – Dec. 2004 East Los Angeles College Monterey Park, CA
Professional Expert, EOP&S: Responsible for the organization and teaching of math workshops for underachieving EOP&S (Extended Opportunity Programs and Services) and single-mother CARE (Cooperative Agencies Resources for Education) students. Levels of math taught include: arithmetic, algebra, statistics, trigonometry, calculus, linear algebra, math anxiety, and math preparedness.

Sep. 2002 – Dec. 2002 East Los Angeles College Monterey Park, CA
Physics Instructor/Mentor, MESA: Employed by MESA (Mathematics, Engineering, and Science Achievement) to conduct Physics workshops for underrepresented community college students. Held office hours where students could drop by with math, computer science, and physics questions. Served as an academic advisor, helping students with their current engineering curricula and transfer applications to four-year institutions.

Previous Summer Employment

2010	Physics Instructor, College of the Canyons	S. Clarita, CA
2009	Engineering Instructor, East Los Angeles College	L.A., CA
2008	Engineering Instructor, Upward Bound, USC	L.A., CA
2007	Lead Instructor, Bernard Harris Summer Science Camp, USC	L.A., CA
2004	Mathematics Instructor, Jaime Escalante Math Program	L.A., CA
2002	Engineering Intern/Project Manager, ETS	Princeton, NJ
2001	Atmospheric Researcher, UCSD	La Jolla, CA
2000	Industrial Engineer, Ingram Micro	Millington, TN
1999	Operations Engineer, Boeing	L.A., CA
1998	MESA Mentor, UC Berkeley	Berkeley, CA
1998	Science Aide, Lawrence Hall of Science	Berkeley, CA

Professional Affiliations

Society of Automotive Engineers: membership since '06

Society of Hispanic Professional Engineers: leadership and membership since '97

Mexican-American Engineers & Scientists, USC: chapter advisor, '05

National Society of Black Engineers: membership since '97

Mathematics, Engineering, Science Achievement: USC, UCLA, & Laney College volunteer since '02

Center for Engineering Excellence & Diversity, UCLA: volunteer, '05

Multicultural Engineering Program, UC Berkeley: membership & volunteer since '97

Viterbi School of Engineering, USC: engineering scholarship and student ambassador panelist since '03

Industrial Engineering Honor Society, UC Berkeley: leadership, '99-'00

INROADS: engineering summer intern, '99-'00

GEM Consortium: graduate engineering fellowship recipient (full tuition and expenses), '02-'03

Technical Skills

MS Office, MS Visio; AutoCAD, SolidWorks, CATIA, MasterCAM; Fluent in the Spanish language; Computing languages: HTML, SQL, Java, and Matlab; Passed the California Basic Educational Skills Test (CBEST)

(References available upon request)