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## **OBJECTIVE**

To obtain a permanent position in research, exploration or production geophysics.

## **SUMMARY OF QUALIFICATIONS**

MSc. Geophysicist with 10 years of experience with 2-D and 3-D seismic data processing and design of 3-D land seismic surveys. Strong interest in all aspects of oil exploration and production.

## **EDUCATION**

2000-present **Stanford University**, Stanford, CA, USA. Ph.D. student, Geophysics.  
1995 **Colorado School of Mines**, Golden, CO, USA. MSc, Geophysics.  
1985 **Universidad Nacional de Colombia**. Bogota, Colombia. BSc, Physics.

## **PROFESSIONAL EXPERIENCE**

2001-present **Stanford University**. Research Assistant, Stanford Exploration Project.  
Summer 2001 **Conoco Inc.** Internship. Implemented nonstationary filtering in time and Fourier domain using C language. Ponca City, OK.  
Summer 2003 **ConocoPhillips**. Internship. Worked on multarrival prestack Kirchhoff depth migration. Houston, TX.  
Summer 2004 **ChevronTexaco**. Internship. Worked on deghosting of marine streamer data. San Ramon, CA.  
1989-2000 **Ecopetrol-ICP**. Research Geophysicist. Bucaramanga, Colombia.

## **RECENT PUBLICATIONS IN ENGLISH**

- Alvarez, G. and Larner, K., 2004, Relative performance of moveout-based multiple-suppression methods for amplitude variation with offset (AVO) analysis and common midpoint (CMP) stacking. *Geophysics*, **69**, 275-285.
- Alvarez, G., Pereyra, V. and Carcione, L., 2004, Model-based 3D seismic survey design as an optimization problem, 74th Ann. Internat. Mtg.: Soc. of Expl. Geophys., 63-66.
- Alvarez, G., Biondi, B. and Guitton, A., 2004, Attenuation of diffracted multiples in angle-domain common-image gathers, 74th Ann. Internat. Mtg.: Soc. of Expl. Geophys., 1301-1304.
- Alvarez, G., 2003, Flexible 3-D seismic survey design, SEP report 113.

## **COMPUTER SKILLS**

Languages: C, Fortran 90, Matlab  
Operating Systems: Unix (awk,sed,perl,latex,shell programming), Windows.  
Seismic Processing and Modeling: Promax 2D/3D, Promax MVA, SU, SEPLIB, GOCAD

## **LANGUAGE SKILLS**

Native language: Spanish. Fully proficient in English.