

M.S., Geology and Geophysics, University of Hawaii, 1982
B.A., Geology, summa cum laude, University of New Hampshire, 1978
GIS Certification Program, University of Texas at Dallas, 1995
Oracle Database Administration Program, UT Arlington and Richland College, 2000

ALICIA ORANGE
GIS Analyst

PROFILE

- ◆ Six years work experience using relational databases in GIS for decision support:
 - Data manipulation, analysis, and quality assurance
 - Creation of reports and maps based on data analysis
 - Software training and user support.
- ◆ Completed 5-course **Oracle** Database Administration Program:
 - Intro to **Oracle: SQL and PL/SQL**, Database Administration, Backup and Recovery, Performance Tuning, and Network Administration, using **Oracle** on **UNIX**, Windows NT, and Windows 95 platforms.
- ◆ Intro to **Oracle: SQL and PL/SQL** Certification Exam passed.
- ◆ Completed programming classes in **Visual Basic 6.0** and ESRI's **Avenue (~C++)**.
- ◆ UNIX and PC proficient; skilled in MS Office Suite (**Access, Excel**).
- ◆ Nine years work experience as a geophysicist in oil and gas exploration, production, and data processing.

PROFESSIONAL EXPERIENCE

PRA (Petrotechnical Resources Alaska), Anchorage, AK

GIS Analyst/ 11/06 – present

Integration and organization of geoscience data sets into an **ArcView 3.2** project and an **ArcMap** document for a regional study in Alaska; **GIS** operations and data analysis; customization of the **ArcView** interface; research of **GIS** data and integration into **ArcMap** documents to support petroleum exploration and production.

XO Communications, Plano, TX

GIS/Data Analyst/ 7/01- 5/04

Manipulation and analysis of proprietary and vendor telecom data using **SQL** in **Oracle**, **MS Access** and **MapInfo GIS**; creation of tables using queries; **GIS** operations to produce spatial data for intranet application; generation of **.xml** files to integrate data into Web-based Service Availability tool; development testing; quality assurance of data and application; resolution of user and data problems; installation and maintenance of software and data.

Mobil Exploration and Producing New Ventures, Dallas, TX

(Contract through Pitney Bowes Management Services)

GIS Analyst/ 9/97 - 2/00

Supported exploration clients by using **GIS** to generate new oil and gas opportunities; prepared, imported, and analyzed raster, vector, and tabular data from various sources (Microstation **.DGN**, Internet, **Oracle, Excel**) in **ArcView** on **UNIX** platform; ran data operations and queries using **SQL** in **ARC/INFO** and **ArcView**; developed custom interfaces using **Avenue (~C++)**; trained users and documented procedures.

Earth Science Associates, Inc., Arlington, TX

Marketing/GIS Assistant/ 10/96 - 9/97

Marketing/sales of ESA's **ArcView** product for oil and gas industry; contract **GIS** projects.

University of Texas at Dallas, Richardson, TX

GIS Assistant/ 2/95 - 10/95

Quality control of North Texas Consortium digital orthophotography using **ARC/INFO**.

Blue Cross and Blue Shield of Texas, Inc., Dallas, TX

Mapping/Graphics Analyst/ 1/96 - 4/96

Performed operations in **Atlas GIS** to generate a variety of maps for internal clients; improved efficiency in data manipulation by streamlining operations in **MS Excel** and **Query**.

Spectrum Energy and Information Technology, Ltd, Woking, England

Geophysicist/ 11/89 - 3/92

Developed geophysical models with Green Mountain Geophysics' Refraction Statics software.

Generated digital survey location maps using Radian's CPS/PC software, including file format conversion and geographic coordinate transformation. Customized mapping software for the processing group's needs and wrote a user's guide.

Mobil, Midland, Houston, and Dallas, TX

Geophysicist through Staff Production Geophysicist/ 9/82 - 7/89

Generated drilling opportunities via 2-D and 3-D seismic Landmark-based interpretations, supported by computer modeling (GMA and Sierra). Worked jointly with team geologist on risk and economic assessment and presented recommendations. Responsible for the design and quality monitoring of borehole and seismic operations. Participated in a regional study to determine the potential of an oil play, through seismic interpretation and modeling.

Supervised the evaluation of different seismic data processing contractors.

Various summer and temporary geologic/geophysical assistantships in teaching, research and field work. 6/77 - 9/82

PUBLICATION

Garcia, M.O., A.A. Presti, 1987, Glass in garnet pyroxenite xenoliths from Kaula Island, Hawaii: Product of infiltration of host nephelinite; *Geology*, V. 15, p. 904 - 906.