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Earth Scientist, Mentor, Software Engineer, Manufacturing Engineer, Night Auditor

Currently, I am teaching environmental and physical geology, and oceanography at MiraCosta and Miramar Colleges, as an adjunct professor. I will be retiring on 1 June 2016, and I am ready for new challenges.

My path to my present teaching career has been a long and winding road. My education and training as an Earth scientist has served me well, offering me the flexibility to "shift gears" in response to challenging life conditions.

TEACHING EXPERIENCE

Miramar and Mesa Colleges , San Diego (San Diego Community College District) Physical Geology (face-to-face and online), Earth Science, Oceanography	2012 - May 2016
MiraCosta College , Oceanside and Cardiff-by-the-Sea Environmental Geology (online), Physical Geology and Oceanography	2008 - May 2016
Palomar College , San Marcos	Jan - May 2014
Southwestern College , Chula Vista	Jan 2005 – May 2011
San Diego State University , San Diego	Spring 2008
Grossmont College , El Cajon	2005 - 2007
InterAmerican College , National City	2005 and 2007
Montana State University	1977 - 1979

PROFESSIONAL ACCOMPLISHMENTS

CG-Squared Productions (Self-employed): San Diego **1996 to Present**

Consulting Geologist / Graphic Designer / Software Engineer

- Designed guidebooks using Adobe InDesign for the San Diego Geological Society
- Performed aerial and ground-based photography of San Diego County and Joshua Tree National Park geology for the guidebooks for San Diego Association of Geologists field trips, designed the cover layouts, co-authored chapters, and supplied maps, charts and annotated photographs for inclusion in the finished books
- Provided computer and graphics support for the San Diego office of Petra Geotechnical, Inc., creating graphic figures and plates, setting up printers and plotters, cleaning up computers that have been afflicted by viruses and spyware
- Designed and laid out book covers for Sunbelt Publications, and submitted Adobe Illustrator and Acrobat files to the printers via FTP and compact disk.

Parametric Technology Corporation (PTC): San Diego **2000 to 2002**

Senior Software QA Engineer

- Tested a collaborative visualization software product (Windchill ProductView), as part of a QA team that was geographically separated – team members were in Massachusetts, England, Minnesota and San Diego

Autodesk, Inc.: San Diego **1998 to 1999**

Software QA Engineer

- Tested a new mechanical CAD/CAM software product (Autodesk Inventor)
- Set up automated testing using QA Partner

Doctor Design, Inc. (under contract): San Diego 1997 to 1998

Senior QA Lead Engineer

- Tested a Digital Satellite Integrated Receiver/Decoder embedded in a personal computer

Web Systems, Inc. (under contract): San Diego 1996 to 1997

Project Engineer

- Set up and prepared a document-imaging software and hardware project at the site of a major government customer in Denver, Colorado, working closely with the customer and several hardware contractors

Wonderware Corporation: Irvine 1994 to 1996

Senior Software QA Engineer

- Tested Human-Machine Interface industrial automation software in a Microsoft Windows networked environment, including InTouch, NetDDE, and InTrack
- Helped define the software engineering process by actively participating in committees. Installed, configured and maintained databases used in testing: Oracle, Microsoft SQL Server, Dbase, Access

Computervision (under contract): San Diego 1992 to 1994

Software QA Engineer

- Tested CAD/CAM software product in an Alpha and Beta test environment, on Microsoft Windows

CADAM, Inc. / Dassault Systemes of America: Burbank 1990 to 1992

Software Test Engineer

- Tested CADAM modules prior to release, providing feedback to other programmers and management
- Programming special applications (IUE), including self-tests, in the FORTRAN and C programming languages

Boeing: Seattle, Lake Charles and Palmdale 1986 to 1989

Manufacturing Engineer: B-2, A-6, B-1B, KC-135 & 747-400

- Tool liaison / engineering liaison: composite and assembly, sheet metal & machine details
- Project planning: weapons systems, including electrical, mechanical, and ECS
- Functional test/final assembly: fuel & hydraulic systems, structures.

Stouffer Madison Hotel, Seattle, Washington (now Renaissance Seattle) 1985 to 1986

Night Auditor/Systems Analyst

- In a 555-room, 28-story hotel, where the front desk, all three restaurants, two bars, 24-hour room service, housekeeping and underground parking garage were connected to the **MAI Basic Four** mini-computer via terminals, my main task was to keep the computer running and generate reports for management.
- Working from the accounting office, performed a backup of the mini-mainframe computer, swapped out the hard drive to be sent offsite by courier service
- Visited each of the bars and restaurants after they closed, to "Z-out" (reset) the conventional cash registers

Holiday Inn Downtown, Spokane, Washington (now Quality Inn Downtown) 1981 to 1985

Night Auditor

- Front Desk attendant on the "graveyard" shift (11:00 PM to 7:00 AM) - duties included telephone operator, travel advisor, "father confessor", bouncer, and more
- Balanced daily debits and credits, posting charges to room accounts from restaurant, room service, bar, etc.
- Provided daily statistics (occupancy percentage, average rack rate, etc.) to local management
- Sent daily, monthly and yearly summaries to management company via Holidex terminal

Holiday Inn, Bozeman, Montana**1980 to 1981**Night Auditor

- Front Desk attendant on the "graveyard" shift (11:00 PM to 7:00 AM) - duties included telephone operator, travel advisor, "father confessor", bouncer, and more
- Balanced daily debits and credits, posting charges to room accounts from restaurant, room service, bar, etc.
- Deposited checks from credit card companies and direct bill accounts to General Ledger
- Provided daily statistics (occupancy percentage, average rack rate, etc.) to local management
- Sent daily, monthly and yearly summaries to management company via Holidex terminal

MILITARY EXPERIENCE**Air National Guard / Joint Chiefs of Staff (JCS): Spokane, Biloxi, Anchorage, Manila, Rota****1982 to 1985 (full-time), 1985 to 1996 (part-time)**Communications Computer Systems Control Technician

- Analyzed and controlled Department of Defense communications systems in fixed and mobile environments of JCS exercises
- Protected information systems security through proper adherence to COMSEC and TEMPEST procedures.

U.S. Air Force: Lowry AFB, Dover AFB, CFB Comox and Grand Forks AFB**1967 to 1973**Nuclear Weapons Technician

- Inspected, maintained, modified and tested nuclear weapons, warheads, missiles, rockets, reentry systems, and associated equipment, including clip-in assemblies, rotary launchers, bomb racks and penetration aids

EDUCATION**San Diego State University**

Master of Science, Geology

1998-2004**Montana State University, Bozeman**

Graduate Studies. Major: Geology, Minor: Soil Science

1975-80**University of North Dakota, Grand Forks**Bachelor of Science, Geology, *cum laude***1972-75****University of Wisconsin, Madison**

Undergraduate studies. Major: Geology

1964-67**PROFESSIONAL AFFILIATIONS**San Diego Association of Geologists – Technical Editor, *Treasurer, 2003-2005*Association of Earth Science Editors (AESE) - *Treasurer, 2010-present*

American Association of Petroleum Geologists

Geological Society of America

History of Earth Science Society (HESS)

Sigma Gamma Epsilon (Earth Science Honor Society)

National Association of Geology Teachers

American Association for the Advancement of Science (AAAS)

SOFTWARE USED

Adobe Creative Suite (Illustrator, InDesign (formerly PageMaker), PhotoShop, Acrobat, Premier)

Microsoft Office Professional components (Word, Excel, Access, PowerPoint, etc.)

Oracle and SQL Server on various platforms

Microsoft Visual Basic, various scripting languages based on BASIC and C/C++

Deneba Canvas, JASC PaintShop Pro, Corel Draw

Plus: whatever it has taken, does take, will take to get the job done!