

Valan Q Wood

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Job Objective: An analyst position that can take advantage of my superb mathematical, programming, and scientific talents

Professional Experience:

[TELEPHIA](#), San Francisco, CA (October 2000 - present)

Research Analyst

- Development of parametric, classification, and statistical algorithms to process data used for competitive marketing in the area of telecommunications
- Used primarily SQL and Excel to handle and manipulate data, and some SAS, C/C++, PERL under Windows 2000
- Was responsible for presenting results to project management, and assist them with their presentations to clients and salespeople

[PENN STATE UNIVERSITY](#) at McKeesport, PA (Spring 1999)

PHYSICS INSTRUCTOR

- Full teaching responsibilities for the instruction of introductory physics for science and engineering majors

[UNIVERSITY OF PITTSBURGH](#), Pittsburgh, PA. (June 1994 – December 1998)

GRADUATE RESEARCH ASSISTANT to J.X. Saladin

- Nuclear Structure investigations using high fold solid-state and scintillation detector arrays ([GammaSphere](#) and [MicroBall](#))
- Created programs in C/C++ and modified programs in Fortran under Unix (Solaris) for use in data analysis (programming primarily involved data transfer, manipulations, and semi-classical model calculations; also some AWK and SED and other Unix scripting utilities)

[ANCAL INC.](#), Las Vegas, NV (May 1992 – December 1992)

APPLICATION SCIENTIST / PROGRAMMER

- Developed a graphical software tool for spectrometer and spectrum analysis using Visual C/C++ under Windows 3.1
- Conducted independent research and programming for color analysis of visible spectrum.
- Sales

Education:

Ph.D., [Physics](#), December 2000: [University of Pittsburgh](#), Pittsburgh, PA

M.S., [Physics](#), December 1995: [University of Pittsburgh](#), Pittsburgh, PA

B.S., [Physics](#), June 1993: [University of California at Santa Barbara](#) / [College of Creative Studies](#), CA

Awards:

- Placed first on the [Cuesta College](#) Mathematics Team in the [American Mathematical Association of Two Year Colleges' Student Mathematics League](#) (1988-1989 Academic Year)
- Achieved distinction on the Mathematics Qualifying Exam – [University of California](#) at Santa Barbara, with [College of Creative Studies](#) (1987)