

Resume

Frank J. Gadek, Ph.D

PLEASE NOTE THAT DUE TO THE PREVALENCE OF IDENTITY THEFT TODAY & COMPUTER ROBOT TROLLING OF WEBSITES FOR INFORMATION, THE FOLLOWING BRIEF RESUME DOES NOT CONTAIN SPECIFIC DATES AND COMPANIES INVOLVED.

IF REQUESTED BY PRIVATE INDIVIDUALS AND IF NECESSARY AND APPROPRIATE, A COMPLETE RESUME WITH ALL RELEVANT DETAILS CAN BE PROVIDED.

OBJECTIVES / GOALS

Willing to explore challenging / interesting / exciting positions where professional qualifications and skills in **education, training, science and, technology, along with management, industrial experience and client support** can be effectively and creatively utilized to significantly improve the competitive advantage of your organization in the rapidly changing complex global marketplace.

SIGNIFICANT ACCOMPLISHMENTS

- **25+ years teaching chemistry, science / technology / society [STS]** at various levels to diverse traditional and nontraditional age students at a variety of sites using computing and other new technologies, along with developing suitable research projects.
- Developed and taught variety of **innovative, interdisciplinary lab science courses** for academic and industry science / nonscience clientele since 1973.
- Co-Principal Investigator for interdisciplinary **1993 \$50,000** National Science Foundation [NSF] Planning **Grant** to improve science education through computing, one of only 14 funded out of 112 submissions.
- Contributed to writing and a consultant for interdisciplinary **1994 \$5,000,000 Five Year** National Science Foundation [NSF] **Grant Proposal** to further improve science education through computing and other new technologies / research.

- Created and managed **Enology Education Services [EES]** to provide technical laboratory training, research, support and services for commercial and other serious Eastern USA winemakers since 1980.
- Designed, managed and conducted industry related **enology hands - on laboratory research projects** using chemical / sensory / statistical analyses and computing with minimal resources, resulting in **publications and presentations** at professional conferences since 1970. Numerous research assistants were supervised in completing these projects over about a 10 year period.
- **Safety / inventory - chemical - hazardous waste** - developed / taught one of first chemical safety courses for academic credit, successfully completed variety of substantial **hands - on laboratory research projects** making use of chemical analyses and computing, resulting in **presentations** at professional conferences. Close supervision of diverse lab assistants was essential for appropriate closure of these projects. Obtained first aid and CPR training.
- Assisted **Main Production Lab**, specialty gas plant, organizing / managing / scheduling / supervising production, lab analyses and 15 lab technicians; interaction with warehouse / shipping as required; including planning / implementing \$750,000 analytical lab equipment / **LIMS upgrade**; cross training matrices, safety presentations / projects; along with assisting in the transition to a new lab Supervisor.
- As **Supervisor**, organized / coordinated newly created **Analytical Development Technology Transfer Group [ADTTG]** of 8 diverse professionals, specialty gas plant, to significantly improve support of plant analytical capabilities [26 instrumentation types / 27 products analyzed] and of national / international satellite specialty compressed gas plants, including **major project management responsibilities** [e.g. design / plan / implement remote location Trace Metals Analysis Cleanroom Lab, \$750,000].
- **Third Shift Quality Assurance Supervisor, soda plant** - productively supervised 4 laboratory / 3 syrup room technicians and 3 sanitation personnel; correct / approve syrup batches for production; continuously monitor plant floor [6 bottling lines - 4 PET, 2 can] to rapidly **troubleshoot** “root cause” / **implement** “corrective action” for defective products; begin HACCP program, perform laboratory chemical and microbiological analyses; assist with implementation of new computerized batching system for syrup room and Orbisphere ProBrix “Plus” on line computerized monitoring system for bottling lines.
- **Quality Manager**, pharmaceutical plant – managed diversified quality program, **both Quality Control and Quality Assurance**, of small [about 15 employees], produced halogenated ether anesthetics and medical devices [laser guided syringes] – technical review / approve CA's / CC's / packaging materials,

investigations / studies / corrective actions, lab management, instrument maintenance, / trouble shooting / repair, lab purchasing, **training, procedures / documentation**, new product development, hire / fire, etc.

COMPUTING

- Progressed from **Director** of major 1970's National Science Foundation [NSF] computing grant through VAX, CP / M, Apple IIe, Macintosh, Dell, Gateway, Compaq desktop and Toshiba laptop PC systems to present VISTA desktop and laptop systems, including necessary supporting hardware / software.
- Experience with Windows 95 / 98 / Me / XP / VISTA, MS Office, MS Works, among many other software packages, Internet and BASIC programming.
- Successfully completed variety of substantial **research projects** resulting in **publications and presentations** at professional conferences.
- Basic maintenance, repair, electronic modification, interfacing, upgrading.
- Subscribe to CompuServe [for nostalgia!] and America Online.

PUBLICATIONS – approximate number over approximate years

- **NOTABLE** 2 past 15 years, 7 past 20 years. List available.
- **OTHER** 6 past 20 years, 13 + past 30 years. List available
- **PRESENTATIONS** 12 past 15 years, 21 past 20 years. List available.

SPECIAL RECOGNITIONS

- Elected Fellow of the American Institute of Chemists [**FAIC**] 1988.
- Qualified for Certified Professional Chemist [**CPC**] status of the American Institute of Chemists from 1979 - 1997.
- Regular commercial wine judge for Pennsylvania, New Jersey and other industry competitions, which are now part of many state quality assurance programs.
- Designated as a member of the "**supporting cast**" of the Eastern wine industry in "Wine East of the Rockies" by H. Cattell and L. Miller, L & H Photojournalism, 620 North Pine Street, Lancaster, PA 17603, 1982, page #102.
- Faculty Excellence Award
- One semester sabbatical leave for enology course and research projects.

MAJOR AFFILIATIONS

American Chemical Society [**ACS**], American Society for Enology & Viticulture and Eastern Section [**ASEV, ASEV / ES**], Pennsylvania Wine Association [**PWA**].

PROMINENT PROFESSIONAL ACTIVITIES

- **Technical reviewer** for enology research grants and Journal of Chemical Education.
- American Society for Enology and Viticulture / Eastern Section [**ASEV / ES**] elected President [Chair], Secretary 5 years and Board member 10 years.

EDUCATION / TRAINING

- Post-doctoral position [organoborane syntheses].
- **Ph.D., Organic Chemistry**, [minors - inorganic and physical chemistry].
- B.S. Chemistry, [minors - **English** and physics - 4 year full tuition scholarship].
- Regular short courses / workshops / conferences on a variety of topics including microscale - instrumentation - safety, polymers, FTNMR, enology, computing, chromatography data handling, HPLC, statistics / calibration, gage R & R, control charts, Quality Analyst, computer on line monitoring of production processes, internal auditing, semiconductor awareness, **management**, sanitation, ICP - MS, ethanol / biofuels, etc.

Approximate numbers / years -

- **11** past 15 years, **27** past 20 years, **36** past 25 years
- list available on request.

EMPLOYMENT HISTORY

1980 to present Co-owner - manager - technical trainer Enology Education Services [**EES**]

2002 Quality Manager, pharmaceutical company

2000 Third Shift Quality Assurance Supervisor, soda company

1998 Assisted Main Production Lab and coordinated related special projects, as independent technical contract worker

1997 Supervisor of Analytical Development / Technology Transfer Group
ADTTG] specialty compressed gas plant, as independent technical contract worker

1995 temporary sabbatical replacement chemistry teacher, private high school.

1968 to 1994 chemistry researcher - teacher, Natural Science Department, Professor 1980, tenure 1974, Associate Professor 1972, Assistant professor before that.

REFERENCES Available on request.

Note – many positions beginning in the middle 1990's and early 2000 were from a few years to months due to the rapidly changing economy and companies getting into financial trouble, so numerous employees had to be let go, even those with many years of experience. Documentation can be provided upon request.