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## SUMMARY OF QUALIFICATIONS

Over 34 years of experience in computer programming. Positions have included Owner/Consultant, Lead Programmer, Network Engineer and Electrical Engineer. Applications have included renewable energy, financial, fitness, educational, research and development, and electrical engineering.

## EDUCATION

- 1987-1990: Masters of Science, School of Electrical Engineering, Georgia Tech.
- 1981-1985: Bachelor of Science in Mathematics, Kennesaw College, Marietta, GA.
- 1997: Microsoft Certified Solution Developer (MCSD) certification specializing in Microsoft Foundation Classes (MFC) and Visual Basic and Exchange.

## WORK EXPERIENCE

- 2000-Present: DBA – **Janzou Consulting** – Contract work at **Envision Digital**, **National Renewable Energy Laboratory**, and **The Asana Academy**. Use C++, Java, Python, React-native, Swift, Objective-C, PHP, JNI, VBA, C# in application development cycles in Windows, MacOS, Linux, iOS, and Android. Create multiple language wrappers around C/C++ libraries.
- 1998-2000: Web Developer/Programmer/Database Administrator at the **National Renewable Energy Laboratory** in Golden, CO through The CORE Group, Inc. ASP, C++, VB, SQL, Access, PL/SQL, Perl, Javascript, HTML and Cold Fusion website/database development in Solaris and NT environments.
- 1998-1999: Web Developer/Programmer for **EchoFlight** in Boulder, CO through Rocky Mountain IS Pros. Delphi/C++/ASP/SQL development in an NT environments using Microsoft SQL Server and Access.
- 1998-1999: Programmer for **Stellacore Corporation** in Denver, CO through TRIAD Personnel. C++ development in Linux and NT environments.
- 1997-1998: Lead Programmer at **Class One, Inc.** ASP, C++, VB, SQL, COM/DCOM and Delphi and website/database development in international setting and management of development department.
- 1994-1997: Thesis work in novel Multi-valued Logic CMOS circuit design. Ternary and quaternary static and dynamic voltage mode circuits are studied and compared and used with standard binary CMOS circuits. Familiar with Tanner Tools, Magic, Spice3f4, Hspice, Pspice, etc.
- 1995- 1997: Computer Network/Software/Hardware consultant with **Lan-Tech** in Marietta, GA. Support Microsoft, Novell, NT, Unix, etc.

1990-1994: Graduate Research Assistant: Work supported by **Motorola, Inc.** in the study of transport dynamics in novel heterojunction bipolar transistor devices. Fortran, C/C++ on HP/UX and NT platforms.

### **PROFESSIONAL AFFILIATIONS**

Institute of Electrical and Electronics Engineers, Inc.  
American Institute of Physics  
The American Physical Society

### **PROFESSIONAL TRAINING**

Microsoft Certified Solution Developer (MCSD) VB and MFC, 1997.  
Micro Learning, Bellevue, WA - Exchange 5.5 Design and Implementation, 1998.

