

PERRY K. WHITE

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Design Resources, LLC

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SUMMARY OF SKILLS

Circuit Design
 System Design

Project Management
 Embedded Systems

Communications Systems
 Acoustics/Speech/Telephony

EDUCATION**Purdue University** - West Lafayette, IN

Master of Science	Electrical Engineering	1979
Bachelor of Science	Electrical Engineering - "Highest Distinction"	1977
27 hours towards Ph.D.	Graduate Electrical Engineering Courses	1981-1989

PROFESSIONAL EXPERIENCE**Allison Transmission Inc.** – Indianapolis, IN

Nov 2007 – Present

Consultant, Senior Electrical Engineer

- Analyzed circuit noise in intelligent data acquisition system comprised of three types of circuit packs.
- Proposed and designed experiments identifying possible noise reduction techniques.
- Identified major sources of circuit noise and developed solutions.
- Redesigned two circuit packs for improved layout and modified the third.

Griffin Analytical Technologies – West Lafayette, IN

Feb 2003 – Present

Consultant, Senior Electrical Engineer

- Designed and prototyped 2KV/5W power supply with control and monitor circuitry.
- Designed and prototyped circuit module combining next 2 bullet items plus control circuitry and I²C interface.
- Designed and implemented circuit module with 7 independently adjustable high voltage (5,000V) outputs.
- Designed and implemented a 10W adjustable output isolated power supply with 100V adjustable offset.
- Worked with component supplier to isolate failure modes.
- Reverse engineered the electronics of a Teledyne mass spectrometer.

MWM Acoustics, LLC – Indianapolis, IN

Dec 2003 – Dec 2007

Consultant, Consulting Projects Coordinator

- Develop Statements of Work for technical design and test services areas.
- Interface with prospective clients to define project objectives.
- Track and report progress to clients regarding their projects.
- Provide electrical engineering support on an as needed basis.
- Designed microphone buffer and microphone/speaker signal conditioner.

INDesign, LLC - Indianapolis, IN

Aug 2001 - Present (and Feb 1997 – May 1998)

Consultant, Senior Electrical Engineer

- Researched small form factor processor boards for client-specific communications control and video display.
- Designed architecture, circuits, and tester for a function generator based on a TI DSP and 8051 μ processor.
- Designed remote automotive data logger/transponder based on the 8051 μ processor.
- Designed user interface board, power supply selector circuit, and S/U-interface circuits for ISDN telephone.
- Developed architecture for 128-node voice/data communications system.
- Developed thin-client architecture and circuits (μ processor /memory, telephone line, RS232, modem).
- Led efforts in technology roadmap development and innovation process.

- Avaya Inc.** (Formerly a Division of Lucent Technologies) – Indianapolis, IN Jun 1998 – Jul 2001
Member of Technical Staff – Connectivity Solutions
- Developed prototype VHF/UHF/Satellite distribution amplifier for residential structured cabling system.
 - Designed alternative LED driver circuit for new intelligent patch panel system.
 - Developed pwb design and artwork for improved panel connector system performance.
 - Developed database and statistical analysis of pwb physical parameters.
 - Analyzed connector system electrical performance data arising from pwb variations.
 - Reduced random and structured variation in current connector system products.
- Lucent Technologies** (Formerly AT&T Bell Laboratories) – Indianapolis, IN Sept 1994 – Jan 1997
Member of Technical Staff – Consumer Products
- AT&T Consumer Products** – Atlanta, GA Sept 1993 – Aug 1994
Quality Engineer – Atlanta Service Center
- AT&T Bell Laboratories** – Indianapolis, IN Dec 1977 – Aug 1993
Engineering Manager – Accessible Communications Products (4/91 – 8/93)
Technical Supervisor - Corded Telephones (8/90 – 3/91)
Technical Supervisor - Consumer Communications Services (1/90 – 7/90)
Technical Supervisor - Forward Looking Technology (2/85 – 12/89)
Technical Supervisor – Residential Systems (05/84 – 1/85)
Member of Technical Staff – Residential Telephone Systems (12/77 – 4/84)