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Professional Objective: Obtain a consulting, independent contractor, temporary or permanent position which will allow me to utilize my outstanding leadership skills, project management and engineering knowledge to be autonomous in following, creating, and managing technical projects/systems which reduce cost and improve schedules for the company.

EDUCATION:

B.S., Engineering Management - University of Illinois
B.S., Equivalent, Electrical Engineering - University of Illinois
U.S. Marine Corps Training - Crypto/Teletype Technician

***Formal Career Courses*:** University of Michigan – Establishing and Implementing the Product Safety Program; University of Michigan – Project Management; University of Michigan – Designing for EMC - Practical Tools and Techniques; UL – Key to International Compliance; UL – ISO14000/9000 Compliance;
***Extension Courses/Software*:** MS Project, Excel, Access, Visio, Office, Database Engineering, minor in ORCAD, AUTOCAD, JAVA/OO Programming Languages**,** and all levels on on-line collaboration skills.

Hitachi Home Electronics (America), Inc. August 1993 – September 2004
Design Engineering – *MarkSchuyler.weebly.com*
***Product Safety / Regulatory Compliance Manager - Accomplishments/Duties/Functions*:**

- Review electrical and mechanical designs of Television Receivers to ensure compliance with UL, FCC, FDA, Environmental, Energy Star and NAFTA standards, codes, directives, and mandated regulations.
- Research, recommend, implement, and manage design and testing of standards and directives utilizing Six-Sigma constructs concerning product safety and Electromagnetic Compatibility for TV Receivers and Monitors (Analog and Digital) including: applications, samples, and in-house testing for UL, FCC, FDA, and NAFTA products.
- Design, construct, implement and control system for distribution of applications, procedures, and reports from all regulatory agencies, which include implementation of ISO14000/9000 process controls.
- Designed, constructed, implemented, operated and managed UL Client Test Data Program for UL and C-UL in-house test laboratory; including Laboratory design and construction test site, MS Project management implementation, test equipment, procedures, and reports; decreasing UL test schedules by 60% and reducing cost by 40%.
- Research, recommend, implement, configure, and manage Chase Pre-Compliance EMC/EMI in-house test facility saving company 25% per model including: implementation of 3 meter Screen Room and related test equipment, FCC Class A and B (Radiation & Conducted) of Title 47- Part 15; Attend continuing education seminars; Knowledge of CE and International Standards, Medical and Machine Directives, and GMP.
- Extensive experience with UL Standards: UL/IEC60065, UL 1492 - Audio/Video Products and Accessories, UL1950 - Safety of Information Technology Equipment (Second & Bi-National) and all interrelated standards.
- Extensive experience with FCC Title 47; Parts 2, 15, 68, 73 and 76. Experience with Title 16 and Title 21.
- Plan, coordinate, conduct, manage and report formal FCC testing of products at local NRTL reducing schedule by 15%. Liaison to UL for formal testing of cost prohibitive in-house tests.
- Research, recommend and configure test equipment for Design and Pilot Laboratories including: pre-compliance Chase EMC/EMI test facility, UL Client Test Data Program, DaqBook Data Acquisition system (LabTech/LabView Software), IEEE 488/GPIB test equipment.
- Research, recommend, configure, and manage Electronic CAD system (Zuken-Redac CR5000) which converts UNIX Japanese PWB and Schematics (CR3000) to editable NT-based English PWB and Schematics (CR5000).
- Represent, vote, report and make recommendations on all issues involving the company and EIA/CEMA Standards Committees and Working Groups which include: R1.0 – Product Safety Committee, TC108-US TAG, R4.0 - Video Systems Committee, R4.3 - Television Data Systems Subcommittee (Closed Captioning and V-Chip development), R4.6 - A/V Bus Subcommittee and JEC (Joint Engineering Committee).
- Study, report and make recommendations on HDTV/NTSC concerns including: Closed Caption Display and V-Chip development and testing for HDTV and current NTSC TV Receiver issues.
- Confirm by design review and testing that Engineering Change Notices comply with regulatory specifications at both the system and component levels.
- Developed and implemented cost management system reducing schedule and increasing accuracy of budgeting for all regulatory activities by 20%.
- Develop and submit budgets for all regulatory activities including: samples, materials, manpower, applications and reports.

***Desktop Publishing Manager - Accomplishments/Duties/Functions*:**

- Designed, developed, constructed, implemented, and managed "in-house" Instruction Book and Service Manual process and procedures including: software, hardware, networking, integration, configuration, document and graphics control.
- Designed, implemented and manage configuration control processes for graphics, document and drawing control.
- Eliminated label repairs of Instruction Books and Service Manuals and implemented Quality Control system reducing cost by 35% and schedule impacts by 75%.
- Created design specifications to implement creation of Instruction Books and Service Manuals.
- Created, managed, interviewed, and reviewed Engineering Technical Writing positions to create Instruction Books and Service Manuals to specifications.
- Recommend, authorize and implement hardware and software to network DTP system.
- Review, interview, recommend and manage vendor implementation for all printed materials.
- Developed and implemented cost management system reducing schedule and increasing accuracy of budgeting for all printed materials by 30%.
- Research, recommend, and manage project to convert existing paper Service Manuals to electronic (CD-ROM) format (*.pdf) including: D/E size schematics, Troubleshooting Guides, Adjustment Specs., and Theory of Operation.

***Design Engineering Network Administrator - Accomplishments/Duties/Functions*:**

Organized, designed and implemented design engineering computer network including:

- Systems analysis on 25 PC workstations and Level/Category 5 cabling.
- Installed cable, PC workstations, hardware and software for the network.
- Connectivity of workstations using Windows and WindowsNT to Novell based server.
- Proficient in all Windows environments including: workstation, remote and network environments, website construction.

General Dynamics, Space Systems Division **August 1988 – January 1993**
Test Operations & Laboratories – *MarkSchuyler.weebly.com*
Information / Operations Research Control Systems Engineer

- Organized work breakdown structures (WBS); identified responsibility assignment matrix; implemented cost account effectiveness; utilized cost/schedule control systems criteria(C/SCSC); automated cost/schedule control systems; designed internal cost performance monitoring system; organized database cost/parts tracking system; monitored integrated management systems; systematically time phased budgets; scheduled work authorization; developed milestone reports and variance analysis; generated work package histories; created and monitored schedules; supported management/program office; developed, integrated, and implemented mainframe and P.C. systems. Secret security clearance.

Self Directed Day Trader/HEROW.org Non-Profit Founder **Oct. 2004 – Present**
Self-Employed – *MarkSchuyler.weebly.com*

Utilized 30 years of financial study in an attempt to successfully build, test, and trade Equities and Commodity Futures day trading systems; including custom indicator code in the Easy Language code and Object Oriented Class script. I wanted an occupation that could be worked at in perpetuity, utilizing my affinity with technology and keeping my skills acute, while consistently adding to my personal bottom line with a perpetual income generating system. Technological advances have finally allowed individuals to participate in this arena, and I made an attempt to turn my long time study of the futures markets and passion for investing into a reality.

Designed and developed a Non-Profit known as Human Existence Research Organization Worldwide, or HEROW.org. The concept and design, structures a disaster relief aid Self-Sustaining Survival House, providing perpetual shelter, power and food for the occupants, and can be reviewed at my website: HEROW.org