

**MARTIN W. STONE****EXPERIENCE**

- Assistive Technology Engineering & Consultation** **1996-Present**  
 Principle Project Manager & Designer **1996-Present**
- Provide engineering and consultation services for organizations, and individuals dealing with, physical, sensory, and cognitive disabilities. Currently contracting with the Minnesota Department of Rehabilitation Services, Target Great Land, 3M, Cornell University, Minnesota ALS chapter & Courage Center, Ablenet Inc., Freedom of Speech, District 287, Individuals, etc...
- Ablenet Inc., Minneapolis, Minnesota** **1996-2001**  
 Product Line Manager for AAC devices **1998-2001**
- Manage product line from initial concepts & product mix to revenue projections and life cycle planning, process development and implementation, usability studies, engineering technology, etc.... Managing communication devices for children with physical and cognitive disabilities.
- Project Engineer / Electronic / mechanical / software design **1996-2001**
- Manage projects starting from market research through manufacturing. Current product focus is communication devices for children with physical and cognitive disabilities.
- GILLETTE CHILDREN'S HOSPITAL, St. Paul, Minnesota** **1987-1996**  
 Rehabilitation Engineer 1989-1996  
 Contract Engineer 1987-1989
- Provide access evaluations & consultations. These are to determine a person's best methods of accessing Computers, Environment, mobility, school, and Work-sites.
  - Support STAR grant funded mobile outreach clinics around the State of Minnesota.
  - Provide training, both internally and around the state, in the above areas of Assistive Technology.
  - Documents, Design, fabricate, test, install, and train end users on the use of, custom interfaces when commercially available solutions are unavailable.
  - Provide in-house training and engineering support.
- NORTHERN TELECOM INC. (ie.. Nortel), Minnetonka, Minnesota** **1983-1989**  
 Senior Design Control Engineer 1987-1989
- Provide design control for all digital signal processing products ( ie... Voice recognition, and voice messaging).
  - Introduced the digital signal-processing environment.
  - Designed automated lab experiments.
  - Initiated XILINX for design prototyping.
  - Supported the M4020 data voice terminal.
  - Reduced cost on circuit boards through the use of ASIC parts.
  - Designed and developed interdepartmental diagnostic equipment.
  - Established file transfer methods from mainframes to ATE equipment.
  - Provide assistance for customer modifications.
- Diagnostic Manager - Customer Support 1985-1987
- Managed a group of five electronic engineers.
  - Provided system and board level diagnostics, training, and support for field engineers.
  - Developed a V40(DOS) to 68K workstation interface with Bell Northern Research.
  - Saved \$30K in non-recoverable engineering costs and \$500/Piece cost on a custom customer interface.
  - Researched, designed, developed, and installed PC-based customer interfaces.
  - Introduced ROM emulation systems for field depots.

Electronic Engineer

1983-1985

- Saved 1.2 Million through the modification of a high-speed line integrated circuit.
- Developed product modifications for customers.
- Designed system diagnostics for customers and for manufacturing use.

**Self-Employed, Stillwater, Minnesota****1983**

Modified and maintained an 8085 based precision plastics mold controller of United Fabrication and Electronics (UFE).

**UNIVERSITY OF WISCONSIN STOUT, Menomonie, Wisconsin****1982**

Designed, built, and documented a temperature measurement system for the Universities Physics Department.

**EDUCATIONAL****PROFESSIONAL CONTINUED EDUCATION**

Advanced Risk management ... U of M Carlson Business College

MICROCHIP INC.

- PIC processors

TEXAS INSTRUMENTS

- TMS320 Digital Signal Processors

MOTOROLA INC.

- MC68000

INTEL CORPORATION

- Microprocessors

- 86 Architecture Family

- 80286 MICROPROCESSOR

TECHNICAL VOCATIONAL INSTITUTE, ST. Paul, MN

- American Sign Language - Levels I - IV

X.25 Protocol

DV-1 Architecture/Troubleshooting, DVIX

MANAGING

SNA/SDLC

ST3000 (ATE)

Basic Assembler Language (BAL)

Teaching your Children at Home

**UNIVERSITY OF WISCONSIN STOUT, Menomonie, Wisconsin****1982**

Masters of Science, Electronic Engineering

Completed .5 year.

Bachelor of Science in Industrial Technology

Concentration in Electronics

Math minor, GPA 3.5, Magna Cum Laude

**PERSONAL****ST. STEVEN SHELTER, Minneapolis, Minnesota****1986-****1989**

Volunteer providing referral and supervision for 32+ homeless individuals.

**COURAGE CENTER, Golden Valley, Minnesota****1981-1989**

Volunteer Computer Camp instructor for the physically and Sensory challenged

1984-1991

Volunteer Interpreter for deaf children "Adventure Club"

1984-1991

Counselor, providing assistance to disabled individuals in a camp setting.

1981-1982

**FUNCTIONAL INDEPENDENT LIVING PROGRAM (FIND), Minneapolis, MN 1986-1997**  
Volunteer interpreter for the deaf and blind.