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**Professional Interests** Development and use of applications in the areas of design thinking and thinking skills in PreK-5<sup>th</sup> grade education. Developing a system to engage children and get them excited about learning.

**Education**  
1. M.S. in Physics & Math, Trinity College, Hartford, CT. 1969  
2. BSEE, Polytechnic Institute of Brooklyn, N.Y. 1962

**Employment History**

**2006 –present**

**Engineering Lens**

Creating curriculum and professional development(PD) program for PreK-5<sup>th</sup> grade teachers that builds an interdisciplinary learning environment by connecting literature to math and science using the engineering design process and thinking skills.

- Formed a team of school teachers and higher education professionals to support the development of this program.
- Developed a 3 credit syllabus for a PD program
- Completed 2 PD workshops in MA school districts.
- Completed a Moodle learning system program for an on-line PD that is scheduled for Sept.2010.
- Have taught a one credit graduate program on-line using Blackboard for Framingham State College.

**2004-2006**

**Framingham State College**

Facilitator for the STEM partnership programs in the MetroWest region of the state. Developed partnerships between schools and the business community around STEM activities which engage K-12 students.

**1997-2004**

**Shared Memory  
Framingham ,MA Partner**

Provider of Intranet & Customer Care Implementation Services

- Resold web based customer care software. Provided sales and service for the product.
- Created knowledge sharing Intranets and train the web team personnel within the committed project schedule and budgets.
- Provided business process re-engineering support to help clients select systems and improve processes

**1994-1997**

**LANart Corporation**

**Needham, MA** Vice President of Manufacturing.

Created the manufacturing and service organization which now produces over \$12M in a broad line of data communication products.

- Achieved ISO 9001 certification in 14 months.
- Successfully brought on line Minx Manufacturing Software system ( MRP, Sales, Financial, ECO) without the support of consultants.
- Managed the relationship with suppliers of equipment that was resold under the LANart label.

**1981-1993**

**Bytex Corporation**

**Westboro, MA** Corporate Vice President of Manufacturing & Customer Service.

Was part of a start -up that grew to over \$ 45M revenue and achieved a successful public offering.

- Achieved continuous cost reductions, high inventory turns and increased margins by over 15 points during a 5-year period.
- Developed and implemented an innovative self-directed work team (business plan tied to reward system).
- Managed the integration of Bytex becoming an OEM of IBM. Achieved 100% quality rating as a supplier.

**1977-1981**

**DataGeneral Corporation**

**Westboro, MA.**

- Managed a group of over 100 professional and service people doing advanced manufacturing and test engineering for development and production of test equipment for all DG facilities.
- Developed strategy for early involvement in engineering that achieved a very successful introduction of the MV8000 (“ Soul of a New Machine” by Tracy Kidder )

**1965-1977**

**Hamilton Standard, Div of UTC**

Began as an individual contributor in the Electrical Design Group and achieved the position of Manager of Test Engineering.

**Organizations/  
papers**

IEEE ... Life member  
 ASEE ... member  
 Officer of the AIP (Association of Internet Professional) 495 chapter  
 BOD, Association for Manufacturing Excellence 1988-1991  
 Organization of Vice Presidents of Manufacturing 1991 - 2000  
Papers presented IEEE, NEPCON, Manufacturing Systems

**Personal**

Married, U.S. Citizen, Three Children  
 Served two years with the U.S. Army, Corp of Engineers.