

HARRY L. MCMAKEN

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PROFESSIONAL EMPLOYMENT

Instructor **Des Moines Community College** **1993-present**
Mathematics/Engineering Instructor. Responsible for the design and implementation of all engineering courses at DMACC. Advised engineering students. Taught all levels of Mathematics.

President **HeartLand Software, Inc.** **1986-1996**
HeartLand specialized in scientific and graphics software for IBM PC and compatible computers. Duties include:

- Design and implementation of computer software products.
- Marketing of computer software products.
- Writing software documentation.
- Technical support for customers.
- Supervision of 5 staff members.

Assistant Professor **Mathematics Department, Iowa State University** **1981-1986**
Duties included:

- Taught all levels of courses from freshman level Calculus to graduate level Applied Mathematics courses
- Designed a first year graduate level course in Applied Mathematics that is required of all students wishing to receive an advanced degree in Applied Mathematics.
- Served on committees, primarily concerned with computer hardware and software. I also served on M.S. and Ph.D. committees.
- Research in the field of Applied Mathematics.

Associate Mathematician **Ames Laboratory, Iowa State University** **1981-1985**
Duties included:

- Developed and implemented computer graphics software.
- Evaluated and recommended computer software and hardware for purchase.
- Trained personnel in the use of this software. Directly supervised the training of student summer personnel in computer programming.
- Maintained LSI 11/23 and VAX 750 computer systems.
- Research in the field of Applied Mathematics. Emphasis of research was in direct and inverse wave scattering as it applies to non-destructive evaluation.

Research Associate **Mathematics Department, Stanford University** **1979-1981**
Basic research in the field of Applied Mathematics.

EDUCATIONAL BACKGROUND

Ph.D., Applied Mathematics	1980, Northwestern University	Evanston, IL
M.S., Applied Mathematics	1976, Northwestern University	Evanston, IL
B.S., Mathematics	1975, University of Tulsa	Tulsa, OK