Web development profile. Why am I learning web development. Interested in solving problems, what can be learned by accessing databases. How can access to databases and information

Successful projects: Physical modeling of high decibel hearing loss. Worked with a consortium from commercial industry and academia.

Helped music majors build electronic devices for sampling music, working with instrumentation.

Modernize my skills, increase earning potential. Solve problems.

Twenty five years of teaching electronics, mathematics, CAD software, power systems and problem solving.

Layout

Picture

Biography

Margaret received her electrical engineering degree in 1986 and has spent the ensuing years working as an industrial field engineer, conducting funded research projects and training electrical engineers in electronic design and power and control systems. One of her first programming languages was PASCAL and then Fortran. Throughout her career she has pursued an interest in algorithms and coding for its potential to offer answers to seemingly intractable problems. Between the years 2007 and 2010 she coded a physical model to determine how sound reaches the inner the ear. The project was worked on jointly by groups from Creare Research Labs and from the University of Illinois. Over the past twenty years I have brought my experiences from both basic research and practical system design and operation to the classroom to emphasize theoretical concepts and problem solving techniques.