

William M. Bricken, Ph.D.

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Education:

PhD, Multidisciplinary in Research Methodology, Computer Science and Educational Psychology, Stanford University, 6/87.
MS, Statistics, Stanford University.
DipEd, Mathematics/Guidance, Monash Teachers College, Melbourne Australia.
BA, Social Psychology, UCLA.

Employment history:

Math faculty (tenured), Lake Washington Institute of Technology	2006-current
Chief Scientist and Co-founder, Bricken Technologies Corporation	2000-2005
Assistant Professor of Computer Science and Software Engineering, Seattle University	1996-2001
Consultant (half-time), Interval Research Corporation	1993-2000
Chief Technical Officer, Virtual Express Ltd.	1994
Principal Scientist, Human Interface Technology Lab, Washington Technology Center, University of Washington	1990-1994
Director, Autodesk Research Lab, Autodesk Inc.	1988-1989
Principal Research Scientist, Advanced Decision Systems	1984-1988
Wizard, Atari Sunnyvale Research Lab, Atari Inc.	1983-1984
Teaching and Research Associate, Stanford University	1981-1984

Established skills in these areas:

Iconic mathematics (iconicmath.com)
Classroom teaching and innovative curriculum development
Advanced statistical and computational research methodology
Software architecture, development and programming
Geometric, statistical and mathematical modeling and analysis
Logic synthesis and optimization of digital circuits
Virtual environment and computer graphics architecture and software
Computational logic, data mining, inference engines and knowledge bases
Human-computer interaction, educational psychology, and intelligent tutoring systems
Software project management and technical leadership

Taught graduate classes in:

Discrete Mathematics	Applied Formal Methods
Programming Methodology	Data Structures and Algorithms
Statistical Analysis Programs	Management Decision Models
Computer Graphics	Virtual World Development
Human Computer Interaction	Educational Technology
Artificial Intelligence	Intelligent Tutoring Systems