

## William M. Bricken, Ph.D.

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### Professional objective:

To apply my skills (software development and research, teaching, statistics, AI, VR, HCI, CAD/EDA) in the broadest possible manner to significant commercial problems.

### Employment history:

Chief Scientist and Co-founder, Bricken Technologies Corporation, 6/00-1/05  
Assistant Professor of Computer Science and Software Engineering,  
Seattle University, 9/96-6/01  
Consultant (half-time), Interval Research Corporation, 9/93-4/00.  
Chief Scientist and Co-founder, Oz...International Ltd., 3/92-12/96.  
Chief Technical Officer, Virtual Express Ltd., 2/94-11/94.  
Principal Scientist, Human Interface Technology Lab,  
Washington Technology Center, 1/90-2/94.  
Director, Autodesk Research Lab, Autodesk Inc., 2/88-11/89.  
Principal Research Scientist, Advanced Decision Systems, 6/84-2/88.  
Wizard, Atari Sunnyvale Research Lab, Atari Inc. 6/83-2/84.  
Teaching and Research Associate, Stanford University, 10/81-6/84.

### Established skills in these areas:

Advanced statistical and computational research methodology  
Software architecture, development and programming  
Geometric, statistical and mathematical modeling and analysis  
Logic synthesis and optimization for 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

### 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.