

Black Dog Innovation (BDI)

Dr. Tom Wrench
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PROFESSIONAL EXPERIENCE

Startup

2006 – present **Co-Founder**, Black Dog Innovation, Inc., *Corvallis, OR*
1992 – 1993 **CEO**, ObjectLand Inc., *Boulder, CO*
1989 – 1992 **CTO**, ARTIFACT, Inc. *Sarasota, FL*

Industry

1989 – 1995 **Independent Consultant**
Object-oriented technology workshops at IBM, USAA, Eastman Chemical, MITRE, others.
Design consulting and workshops at Eaton, IBM, and several defense contractors.
Mentored Bank of America's Configuration Management System project (1991).
Mentored Prudential Insurance's Agent Workstation project (1993).
Language Design: PruPolicy (Prudential Insurance), Flora (Educorp, Delphi Software)

1986 – 1987 **Research Engineer**, Artificial Intelligence Group/Human Factors Group, Corporate Research
Department, Johnson Controls, Inc. *Milwaukee, WI*
Expert System Shell Development (CoolCat and TIE).
Proactive Human-Computer Interface for Building Control project.

1987 – 1988 **Research Scientist**, Artificial Intelligence Group/Human Factors Group, Corporate Research
Department, Johnson Controls Inc. *Milwaukee, WI*
Spatially Grounded Building Automation System project.
KIT Software Construction Prototype project.
Starfield User Interface project.

1981 – 1985 **Programmer/Analyst**, Greene Manufacturing, *Racine, WI*

Volunteer Service

1998 – 2000 Board of Advisors, Cime Software, *San Francisco, CA*
2007 – Present Board of Directors, Business Enterprise Center, *Corvallis, OR*

Academic

2001 – 2006 Assistant Professor of Computer Science, University of the Pacific, *Stockton, CA*

EDUCATION

Ph.D. Computer Science – University of Colorado
Programming of Computationally Enhanced Craft Items

B.S. Computer Science – University of Wisconsin at Parkside